



INSIZE

2019

MEASURING INSTRUMENTS

EFFECTIVE: JAN. 1, 2019 - DEC. 31, 2019

PRICES EXCLUDING GST

Distributed by:



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INSPECTION CERTIFICATE

Manufacturer inspection certificates are supplied, free of charge, for the products marked with "★" in the catalogue.
 The inspection certificates are traceable to DKD Germany or NIST USA.
 Ask for NABL certificates from our Dealers on chargeable but at economical rates.

FOR CALIPERS

INSIZE Inspection Certificate

Product name: Digital Caliper
 Code No.: 1108-150
 Measuring range: 0-150mm / 0-6"
 Resolution: 0.01mm / 0.0005"
 Serial No.: 0910120004
 Standard temperature: 20°C / 68°F

Traceable to: USA NIST No.821/279484-10
 Germany DKD No.D-K-15190-01-00

Inspector: *Daive*
 Judgement: Passed

Measuring Length	Permissible Error	Error		Measuring Length	Permissible Error	Error	
		External	Internal			External	Internal
0.4 DIA	+0.0005 -0.0010	/	0.0005	Φ10	+0.01 -0.02	/	0.01
2	±0.0010	-0.0005	/	50	±0.02	-0.01	/
4	/	-0.0005	/	100	/	-0.01	/
6	/	-0.0010	/	150	/	-0.02	/
8	±0.0015	/	/	200	±0.03	/	/
10	/	/	/	250	/	/	/
12	/	/	/	300	/	/	/

1108-150

FOR DIAL INDICATORS, DIGITAL INDICATORS AND DIAL TEST INDICATORS

INSIZE Inspection Certificate

Product name: Digital Indicator
 Code No.: 2112-101
 Measuring range: 12.7mm / 0.5"
 Resolution: 0.001mm / 0.00005"
 Serial No.: 1207131163
 Standard temperature: 20 °C
 Traceable to: USA NIST No.821/279484-10

Maximum Permissible Error	Error	
	2	1
Any 0.02mm	3	2
Any 0.2mm	5	3
Whole range	2	2

Judgement: Passed
 Inspector: *Spine*

2112-101

FOR MICROMETERS

INSIZE Inspection Certificate

Product name: Outside Micrometer
 Code No.: 3203-25A
 Measuring range: 0-25mm
 Graduation: 0.01mm
 Serial No.: 0910120004
 Standard temperature: 20 °C
 Based on: DIN 863-1 (1999)
 Traceable to: Germany DKD No.D-K-15190-01-00
 Inspector: *Paulo*

Measuring Length(mm)	Permissible Error	Error
0	4	0
7.7		+1
12.9		-1
17.6		0
22.8		+1
25		+1

Judgement: Passed

3203-25A

FOR THREE POINTS INTERNAL MICROMETERS

INSIZE Inspection Certificate

Product name: Three Points Internal Micrometer
 Code No.: 3227-30
 Measuring range: 25-30mm
 Graduation: 0.005mm
 Serial No.: 0910120004

Standard temperature: 20 °C
 Traceable to: Germany 10339/D-K-15015-01-02/2012-09
 Germany 31-0830/DKD-K-06901/2012-09

Judgement: Passed
 Inspector: *Paulo*

Actual Ring Size(mm)	Permissible Error	Measured Deviation
25.0007	4	0
25.9994		1
27.9978		1
29.9992		-1

3227-30

FOR TORQUE WRENCHES

INSIZE Inspection Certificate

TORQUE WRENCH CODE: IST-2WM600

Set Point (N.m)	Min(N.m)	Max(N.m)	Readings(N.m)		
120.0	115.2	124.8	120.3	120.2	120.2
360.0	345.6	374.4	359.1	359.0	359.1
600.0	576.0	624.0	601.7	601.5	601.8

Serial No. 1502620372
 Calibration temperature: 20 °C Humidity: 60%
 Inspector: *Kase*

IST-2WM600

FOR DIGITAL FORCE GAGES

INSIZE Inspection Certificate

DIGITAL FORCE GAGE CODE: ISF-1DF500

Push Force				Pull Force			
Standard Value(N)	Measured Value(N)	Error(N)		Standard Value(N)	Measured Value(N)	Error(N)	
97.9	97.8	-0.1	-0.02%	97.9	98.0	0.1	0.02%
195.8	195.8	0.0	0.00%	195.8	195.8	0.0	0.00%
293.6	293.7	0.1	0.02%	293.6	293.5	-0.1	-0.02%
391.5	391.7	0.2	0.04%	391.5	391.5	0.0	0.00%
489.4	489.6	0.2	0.04%	489.4	489.4	0.0	0.00%

Serial No. 4111606060
 Calibration temperature: 20 °C Humidity: 60%
 Inspector: *Kase*

ISF-1DF500

WATERPROOF DIGITAL CALIPERS

INSPECTION CERTIFICATE
TRACEABLE TO DKD

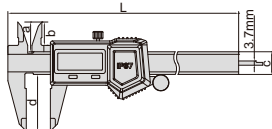
ATTENTION:
NO DATA OUTPUT

IP67
WATERPROOF



1118-150B

- IP67 dust/waterproof
- Resolution: 0.01mm/0.0005"
- Button function: zero, on/off, mm/inch, ABS/REL, hold
- Battery CR2032
- Meet DIN862
- Made of stainless steel



Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1118-150B*	0-150mm/0-6"	±0.03mm	236	21	16	16	40	6137
1118-200B*	0-200mm/0-8"	±0.03mm	286	24	19	16	50	9279
1118-300B*	0-300mm/0-12"	±0.03mm	400	25	20.5	17	60	12726

*Supplied with manufacturer inspection certificate traceable to DKD Germany

DIGITAL CALIPERS

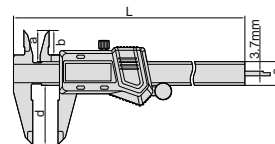
INSPECTION CERTIFICATE
TRACEABLE TO DKD

ATTENTION: NO
DATA OUTPUT



1114-150A

- Zinc alloy housing for digital unit
- Resolution: 0.01mm/0.0005"
- Buttons: zero, on/off, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, meet DIN862
- Made of stainless steel



Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1114-150A*	0-150mm/0-6"	±0.03mm	236	21	16	16	40	2699
1114-200A*	0-200mm/0-8"	±0.03mm	286	24	19	16	50	3628
1114-300A*	0-300mm/0-12"	±0.03mm	400	25	20.5	17	60	6270

*Supplied with manufacturer inspection certificate traceable to DKD Germany

DIGITAL CALIPERS (STANDARD MODEL)

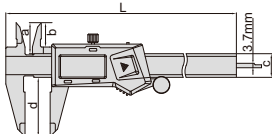
DATA
OUTPUT

INSPECTION CERTIFICATE
TRACEABLE TO DKD



1108-150

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1108-150*	0-150mm/0-6"	±0.02mm	236	21	16	16	40	2263
1108-200*	0-200mm/0-8"	±0.03mm	286	24	19	16	50	3116
1108-300*	0-300mm/0-12"	±0.03mm	400	25	20.5	16	60	5468

*Supplied with manufacturer inspection certificate traceable to DKD Germany

DIGITAL CALIPER WITH ROUND DEPTH BAR

DATA
OUTPUT

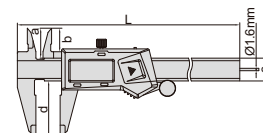
INSPECTION CERTIFICATE
TRACEABLE TO DKD



1119-150



- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1119-150*	0-150mm/0-6"	±0.03mm	236	21	16	16	40	2626

*Supplied with manufacturer inspection certificate traceable to DKD Germany

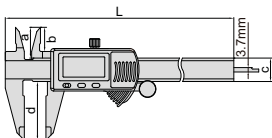
DIGITAL CALIPERS (BASIC MODEL)

ATTENTION:
NO DATA OUTPUT



1112-150

- Resolution: 0.01mm/0.0005"
- Buttons: zero, on/off, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Meet DIN862
- Made of stainless steel



Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1112-150	0-150mm/0-6"	±0.03mm	236	21	16	16	40	2010
1112-200	0-200mm/0-8"	±0.03mm	286	24	19	16	50	2813
1112-300	0-300mm/0-12"	±0.03mm	400	25	20.5	17	60	5188

DIGITAL CALIPERS WITH CARBIDE TIPPED JAWS

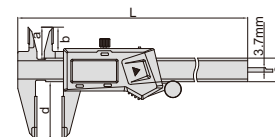
INSPECTION CERTIFICATE
TRACEABLE TO DKD

DATA
OUTPUT



1110-150A

- Carbide tipped jaws for inside and outside measurements
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1110-150A*	0-150mm/0-6"	±0.03mm	236	21	16	16	40	7722
1110-200A*	0-200mm/0-8"	±0.03mm	286	24	19	16	50	9237
1110-300A*	0-300mm/0-12"	±0.03mm	400	25	20.5	16	60	12785

*Supplied with manufacturer inspection certificate traceable to DKD Germany

HEAVY DUTY 300mm DIGITAL CALIPER

DATA OUTPUT

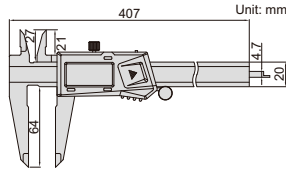
INSPECTION CERTIFICATE
TRACEABLE TO DKD



1196-300

INSPECTION CERTIFICATE
TRACEABLE TO DKD

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



Code	Range	Accuracy	Price(₹)
1196-300*	0-300mm/0-12"	±0.03mm	6732

*Supplied with manufacturer inspection certificate traceable to DKD Germany

DIGITAL CALIPERS WITH CERAMIC TIPPED JAWS

DATA OUTPUT

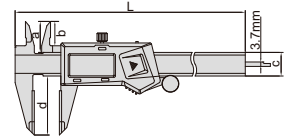


1193-150



ceramic tipped jaws

- Ceramic tipped jaws for outside measurement, extremely wear-resistant, non-magnetic, non-conductive
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1193-150*	0-150mm/0-6"	±0.03mm	235	21	16.5	16	40	5117
1193-200*	0-200mm/0-8"	±0.03mm	297	24	20	16	50	6252
1193-300*	0-300mm/0-12"	±0.03mm	390	26	21.5	16	60	8640

*Supplied with manufacturer inspection certificate traceable to DKD Germany

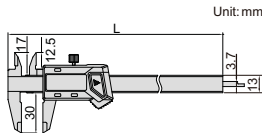
MINI DIGITAL CALIPERS

ATTENTION: NO DATA OUTPUT



1111-100A

- Resolution: 0.01mm/0.0005"
- Buttons: zero, mm/inch, on/off
- Automatic power off, move the digital unit to turn on power
- Battery LR44
- Meet DIN862
- Made of stainless steel



Code	Range	Accuracy	L	Price(₹)
1111-75A	0-75mm/0-3"	±0.02mm	144mm	2393
1111-100A	0-100mm/0-4"	±0.02mm	170mm	2401

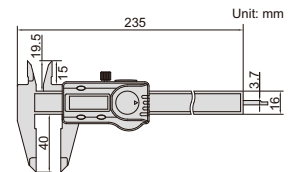
PLASTIC DIGITAL CALIPER

ATTENTION: NO DATA OUTPUT



1139-150

- Made of hard plastic, non-magnetic and non electric conductive
- Prevent workpieces from scratching by calipers
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Battery CR2032, automatic power off



Code	Range	Accuracy	Price(₹)
1139-150	0-150mm/0-6"	±0.1mm	856

DIAL CALIPERS

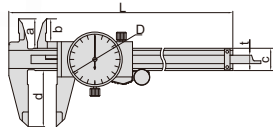
INSPECTION CERTIFICATE
TRACEABLE TO DKD

SHOCK PROOF



1312-150A

- Shockproof dial indicator
- Made of stainless steel



Dial indicator graduation 0.02mm (mm)

Code	Range	Accuracy	L	a	b	c	d	D	t	Price(₹)
1312-150A*	0-150mm	±0.03mm	235	21	16.5	16	40	Ø39	6.5	2316
1312-200A*	0-200mm	±0.03mm	288	24	19	16	48	Ø39	6.5	3086
1312-300A*	0-300mm	±0.03mm	410	28	22	20	62	Ø44.5	7.5	5258

Dial indicator graduation 0.01mm (mm)

Code	Range	Accuracy	L	a	b	c	d	D	t	Price(₹)
1311-150A*	0-150mm	±0.03mm	235	21	16.5	16	40	Ø39	6.5	2998
1311-200A*	0-200mm	±0.03mm	288	24	19	16	48	Ø39	6.5	4123
1311-300A*	0-300mm	±0.03mm	410	28	22	20	62	Ø44.5	7.5	6446

Dial indicator graduation .001", accuracy ±.0015"

Code	Range	L	a	b	c	d	D	t	Price(₹)
1311-6*	0-6"	9.252"	.827"	.650"	.630"	1.575"	1.535" DIA	.256"	2606

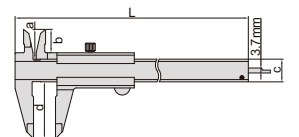
*Supplied with manufacturer inspection certificate traceable to DKD Germany

VERNIER CALIPERS



1205-1502S

- Graduation: 0.02mm/0.001"
- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface



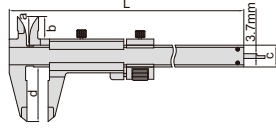
Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1205-1502S	0-150mm/0-6"	±0.03mm	235	20.5	15.5	16	40	1574
1205-2002S	0-200mm/0-8"	±0.03mm	290	23.5	19	17	50	2373
1205-3002S	0-300mm/0-12"	±0.03mm	414	27.5	22	20	64	4398

VERNIER CALIPERS WITH FINE ADJUSTMENT



1233-130

- Graduation: 0.02mm/0.001"
- With fine adjustment
- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface



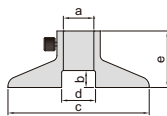
(mm)

Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1233-130	0-130mm/0-5"	±0.03mm	230	20.5	16.5	16	40	1507
1233-180	0-180mm/0-7"	±0.03mm	295	23.5	19	16	50	2180
1233-280	0-280mm/0-11"	±0.03mm	410	26	20	20	60	3915

DEPTH BASE ATTACHMENTS



6140



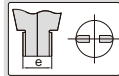
- To increase the stability of depth measurement
- Suitable for digital calipers and dial calipers
- Made of stainless steel

(mm)

Code	a	b	c	d	e	Application	Price(₹)
6140	16.5	9	75	18	30	Suitable for calipers with beam width (w) 16mm	750
6140-300A	20	15	125	22	34	Suitable for calipers with beam width (w) 20mm	2122

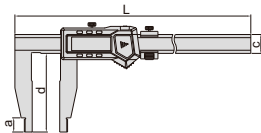
DIGITAL CALIPERS

DATA OUTPUT



1106-501

- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



(mm)

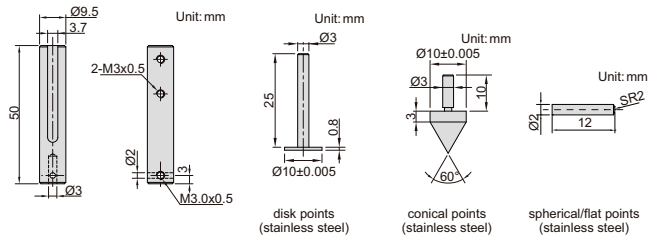
Code	Range	Accuracy	a	c	d	e	L	Price(₹)
1106-302	0-300mm/0-12"	±0.05mm	18	24	150	20	420	15421
1106-451	0-450mm/0-18"	±0.05mm	18	24	100	20	625	12871
1106-501	0-500mm/0-20"	±0.05mm	18	24	100	20	675	12542
1106-601	0-600mm/0-24"	±0.05mm	18	24	100	20	770	16393
1106-1002	0-1000mm/0-40"	±0.08mm	24	31	150	20	1220	35886
1106-1502	0-1500mm/0-60"	±0.11mm	24	42	150	20	1780	83040
1106-2002	0-2000mm/0-80"	±0.14mm	24	42	150	20	2290	122685

Sizes available up to 3000mm

ACCESSORY SET FOR DIGITAL CALIPERS CODE 6144

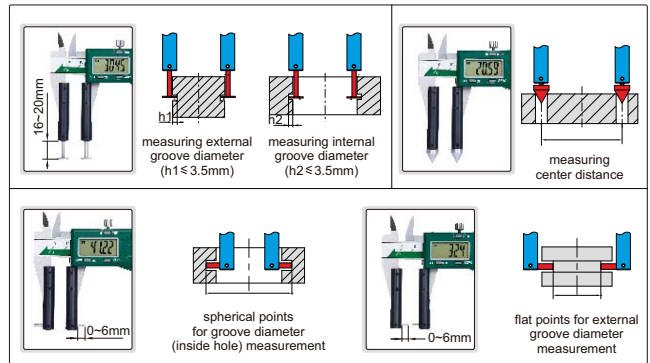


6144



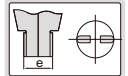
Code	Price(₹)
6144	2917

- Suitable for 0-150mm/0-6" and 0-200mm/0-8" digital calipers (thickness of lower jaws ≤ 3.7mm)



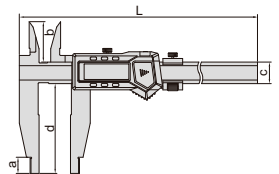
DIGITAL CALIPERS

DATA OUTPUT



1136-501

- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



(mm)

Code	Range	Accuracy	a	b	c	d	e	L	Price(₹)
1136-501	0-500mm/0-20"	±0.05mm	18	45	24	100	20	675	14754
1136-601	0-600mm/0-24"	±0.05mm	18	45	24	100	20	770	19264
1136-1002	0-1000mm/0-40"	±0.08mm	24	60	31	150	20	1220	44420

Sizes available up to 2000mm

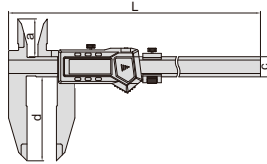
DIGITAL CALIPERS

DATA OUTPUT



1135-601

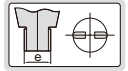
- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



(mm)

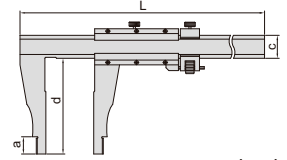
Code	Range	Accuracy	a	c	d	L	Price(₹)
1135-601	0-600mm/0-24"	±0.05mm	45	24	100	770	19802
1135-1002	0-1000mm/0-40"	±0.08mm	60	31	150	1220	51848

VERNIER CALIPERS



1214-600

- Graduation: 0.02mm/0.001"
- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



(mm)

Code	Range	Accuracy	a	c	d	e	L	Price(₹)
1214-450	0-450mm/0-18"	±0.05mm	18	24	100	20	620	8592
1214-500	0-500mm/0-20"	±0.05mm	18	24	100	20	670	7838
1214-600	0-600mm/0-24"	±0.05mm	18	24	100	20	770	8847
1214-1000	0-1000mm/0-40"	±0.08mm	24	32	140	20	1216	25414
1214-1500	0-1500mm/0-60"	±0.12mm	24	42	200	20	1830	68383

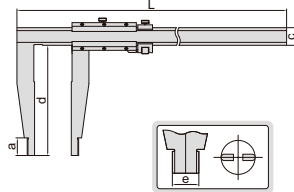
Sizes available up to 2000mm

LONG JAW VERNIER CALIPERS



1215-1032

- Graduation: 0.02mm/0.001"
- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



(mm)

Code	Range	Accuracy	a	c	d	e	L	Price(₹)
1215-392	0-300mm/0-12"	±0.05mm	10	17	90	10	410	6207
1215-322	0-300mm/0-12"	±0.05mm	18	24	150	20	470	9352
1215-522	0-500mm/0-20"	±0.06mm	18	24	150	20	670	12029
1215-532	0-500mm/0-20"	±0.06mm	18	24	200	20	670	14784
1215-622	0-600mm/0-24"	±0.06mm	18	24	150	20	770	12743
1215-642	0-600mm/0-24"	±0.08mm	24	32	250	20	870	32267
1215-822	0-800mm/0-32"	±0.07mm	24	32	150	20	1020	26595
1215-832	0-800mm/0-32"	±0.07mm	24	32	200	20	1020	36048
1215-1032	0-1000mm/0-40"	±0.08mm	24	32	200	20	1220	35889
1215-1052	0-1000mm/0-40"	±0.11mm	24	42	300	20	1330	58438
1215-3052	0-3000mm/0-120"	±0.26mm	24	50	300	20	3360	269428

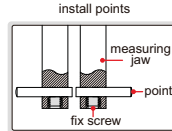
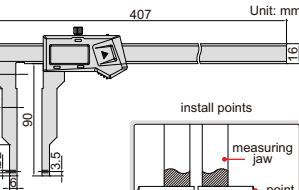
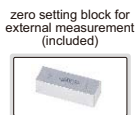
DIGITAL CALIPER WITH INTERCHANGEABLE POINTS CODE 1124-300A

DATA OUTPUT

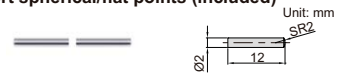


1124-300A

- Supplied with 4 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: points (code 1526-T101, 7392, 7391, 7381, 7321), depth stop (code 6143), data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



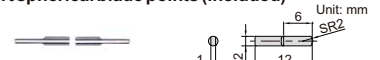
short spherical/flat points (included)



long spherical/flat points (included)



short spherical blade points (included)



long spherical blade points (included)



Point	Range	Accuracy	Application
short spherical/flat points	24-324mm/1-12.7"(internal) 0-288mm/0-11.3"(external)	±0.04mm	spherical points for grooves inside hole (small hole) flat points for external grooves
long spherical/flat points	40-340mm/1.5-13.3"(internal) 0-272mm/0-10.7"(external)	±0.04mm	spherical points for grooves inside hole (large hole) flat points for external grooves
short spherical blade points	24-324mm/1-12.7"(internal) 0-288mm/0-11.3"(external)	±0.04mm	for narrow grooves inside hole (small hole)
long spherical blade points	40-340mm/1.5-13.3"(internal) 0-272mm/0-10.7"(external)	±0.04mm	for narrow grooves inside hole (large hole)

Code	Price(₹)
1124-300A	20226

DIGITAL CALIPER WITH INTERCHANGEABLE POINTS CODE 1526-200

DATA OUTPUT

depth stop 6143 (optional)



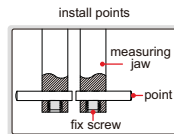
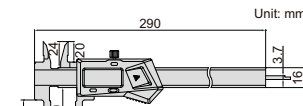
preset buttons



1526-200



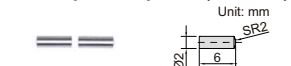
VIDEO



zero setting block for external measurement (included)



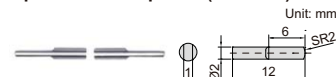
short spherical points (included)



long spherical/flat points (included)



spherical blade points (included)



- Supplied with 3 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: points (code 1526-T101, 7392, 7391, 7381, 7321), depth stop (code 6143), data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)

Code	Price (₹)
1526-200	14412

Point	Range	Accuracy	Application
short spherical points	12-212mm/0.5-8.5"(internal)	±0.03mm	for grooves inside small hole
long spherical/flat points	24-224mm/1-8.8"(internal) 0-187mm/0-7.5"(external)	±0.03mm	spherical points for grooves inside hole flat points for external grooves
spherical blade points	24-224mm/1-8.8"(internal) 0-187mm/0-7.5"(external)	±0.03mm	for narrow grooves inside hole

UNIVERSAL CALIPER CODE 1125-600

DATA OUTPUT

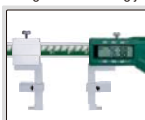


VIDEO

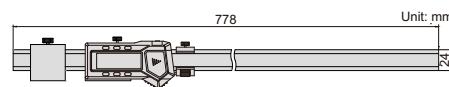
working with stands



working with measuring jaws



1125-600

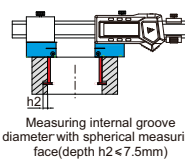
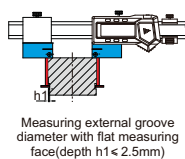
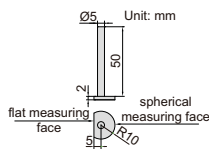


- Buttons: on/off, set, mm/inch, ABS, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)

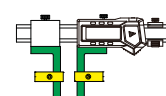
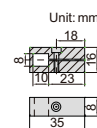
Code	Range	Resolution	Accuracy	Price (₹)
1125-600	0-600mm/0-24"	0.01mm/0.0005"	±0.05mm	42041

*The range changes according to different points

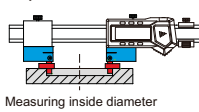
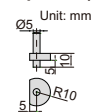
Half disk points (included)



Depth stop (included)

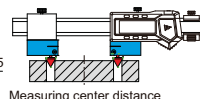
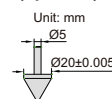


Round shoulder points (optional)



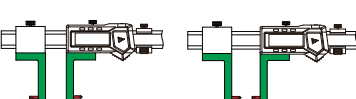
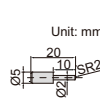
Code	Price (₹)
1125-T102	2285

Conical points (optional)

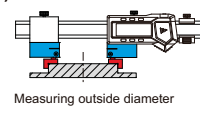
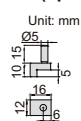


Code	Price (₹)
1125-T101	2569

Spherical points (included)

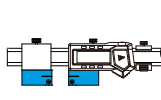
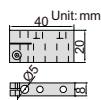


Flat shoulder points (optional)

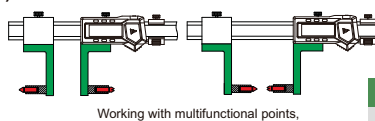
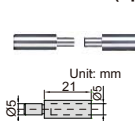


Code	Price (₹)
1125-T103	3276

Stands (included)



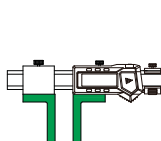
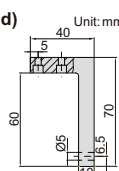
Point sleeve (optional)



Working with multifunctional points, ball points and screw thread points

Code	Price (₹)
1125-T104	1523

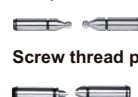
Measuring jaws (included)



Multifunctional points 7392 (optional)



Ball points 7391 (optional)



Screw thread points 7381, 7321 (optional)



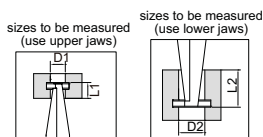
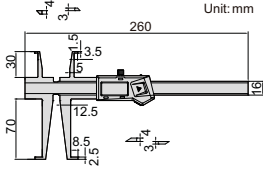
DIGITAL INSIDE GROOVE CALIPER



DATA OUTPUT



- Measure diameter of grooves inside bores
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143), data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



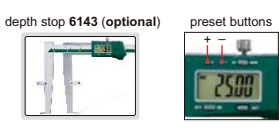
		D2		L2	
D1	L1	Ø15	<10	Ø19	<42
Ø9	<8	Ø16	<18	Ø20	<50
Ø10	<15	Ø17	<26	Ø21	<58
Ø11~150	<30	Ø18	<34	Ø22~150	<70

Code	Range of upper jaw	Range of lower jaw	Accuracy	Price(₹)
1176-150	9-150mm/0.35-6"	15-150mm/0.59-6"	±0.04mm	10871

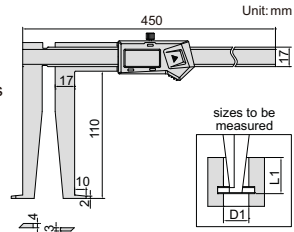
DIGITAL INSIDE GROOVE CALIPER



DATA OUTPUT



- Measure diameter of grooves inside bores
- Resolution 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143), data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



D1	L1
Ø25	<50
Ø26	<60
Ø27~300	<110

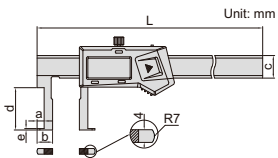
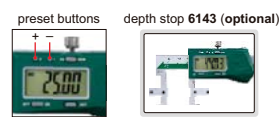
Code	Range	Accuracy	Price(₹)
1178-300	25-300mm/1.18-12"	±0.05mm	16634

DIGITAL INSIDE GROOVE CALIPERS

- Measure groove diameter
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143), data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



1120-150A



DATA OUTPUT



Code	Range	Accuracy	L	a	b	c	d	e	Price(₹)
1120-150A	22-150mm	±0.04mm	250	5	11	16	30	1	7589
1120-200A	25-200mm	±0.04mm	310	5	12.5	16	40	1	8668
1120-300A	30-300mm	±0.05mm	410	5	15	17	50	1.5	11433

DIGITAL INSIDE POINT CALIPERS

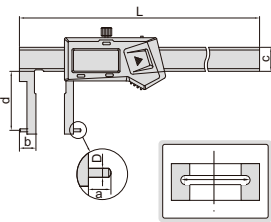


1121-150A

DATA OUTPUT



- Measure groove diameter
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143), data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



Code	Range	Accuracy	L	a	b	c	d	D	Price(₹)
1121-150A	24-150mm	±0.04mm	250	5	12	16	30	Ø2	8827
1121-200A	25-200mm	±0.04mm	310	5	12.5	16	40	Ø2	9353
1121-3001A	50-300mm	±0.06mm	410	8	25	17	80	Ø3	16947

DIGITAL INSIDE GROOVE CALIPER

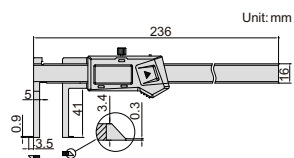


1520-150

DATA OUTPUT



- Measure diameter of grooves inside small bores
- Resolution 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143), data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



Code	Range	Accuracy	Price(₹)
1520-150	11-150mm/0.43-6"	±0.04mm	7512

DIGITAL OUTSIDE POINT CALIPER

DATA OUTPUT

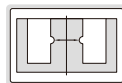
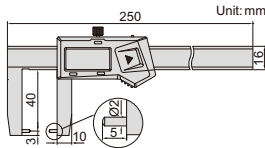


1185-150A

depth stop 6143 (optional)



- Measure wall thickness inside bores and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143), data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



Code	Range	Accuracy	Price(₹)
1185-150A	0-150mm/0-6"	±0.04mm	6594

DIGITAL OUTSIDE NECK CALIPER

DATA OUTPUT

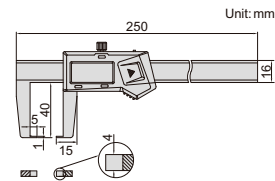


1187-150A

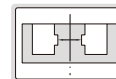
depth stop 6143 (optional)



- Measure grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop (code 6143), data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



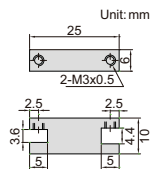
Code	Range	Accuracy	Price(₹)
1187-150A	0-150mm/0-6"	±0.04mm	5979



DEPTH STOP FOR CALIPERS

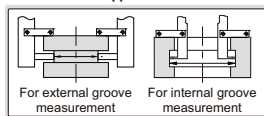


6143



- Supplied in pairs
- Made of stainless steel
- Suitable for caliper series 1124, 1526, 1520, 1176, 1178, 1120, 1121, 1187 and 1185

Application



Code	Price(₹)
6143	647

DIGITAL BLADE CALIPER

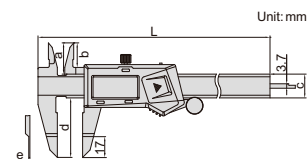
DATA OUTPUT



1188-150A



- The blade jaws fit into small grooves
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



Code	Range	Accuracy	L	a	b	c	d	e	Price(₹)
1188-150A	0-150mm/0-6"	±0.03mm	235	21	16.5	16	40	0.75	5157

Sizes available up to 300mm

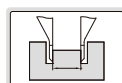
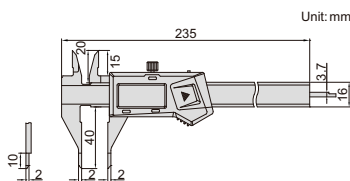
DIGITAL SMALL POINT CALIPER

DATA OUTPUT



1169-150

- Small pointed jaws fit into small grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



Code	Range	Accuracy	Price(₹)
1169-150	0-150mm/0-6"	±0.03mm	4905

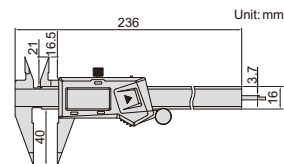
DIGITAL POINT CALIPER

DATA OUTPUT

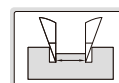


1183-150A

- Pointed jaws fit into small grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



Code	Range	Accuracy	Price(₹)
1183-150A	0-150mm/0-6"	±0.03mm	4968

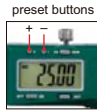


DIGITAL OFFSET CENTERLINE CALIPERS

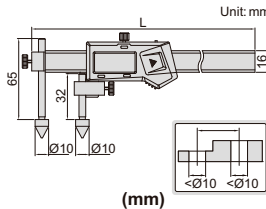
DATA OUTPUT



1192-150A



- Measure hole center distance in the same or offset planes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



Code	Range	Accuracy	L	Price(₹)
1192-150A	10-150mm/0.4-6"	±0.05mm	236	12504
1192-200A	10-200mm/0.4-8"	±0.07mm	286	15301
1192-300A	10-300mm/0.4-12"	±0.09mm	396	17847

Sizes available up to 1500mm

DIGITAL INSIDE KNIFE-EDGE CALIPER

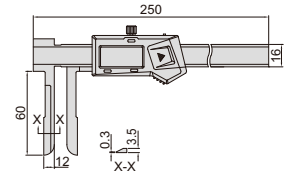
DATA OUTPUT



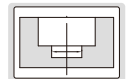
1123-150A

Unit: mm

- Measure diameter of deep step holes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



Code	Range	Accuracy	Price(₹)
1123-150A	15-150mm/0.6-6"	±0.05mm	8076



DIGITAL TUBE THICKNESS CALIPER

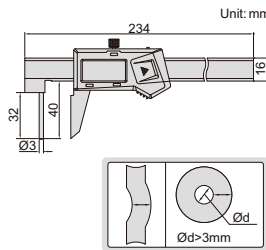
DATA OUTPUT



1161-150A

Unit: mm

- Measure wall thickness of tubes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



Code	Range	Accuracy	Price(₹)
1161-150A	0-150mm/0-6"	±0.05mm	7851

DIGITAL CALIPER WITH LARGE MEASURING FACES

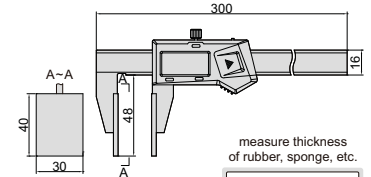
DATA OUTPUT



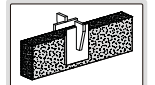
1172-200

Unit: mm

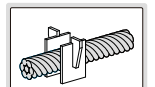
- Measure diameter of wire ropes, and thickness of soft materials like rubber, sponge, etc.
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



measure thickness of rubber, sponge, etc.



measure diameter of wire ropes



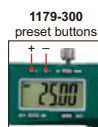
Code	Range	Accuracy	Price(₹)
1172-200	0-200mm/0-8"	±0.07mm	15961

DIGITAL RTJ RING GROOVE CALIPERS

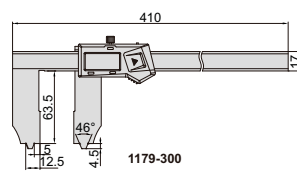
DATA OUTPUT



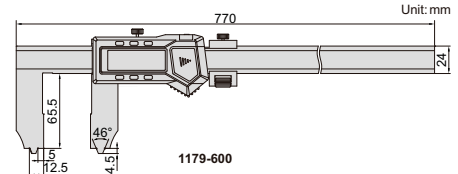
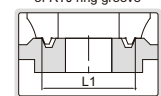
1179-300



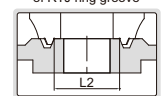
1179-600



measure outside diameter of RTJ ring groove



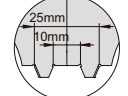
measure inside diameter of RTJ ring groove



applicable for RTJ ring grooves with angle 23°



10mm and 25mm need to be added on the reading



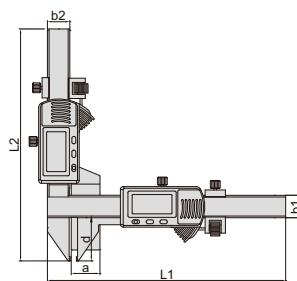
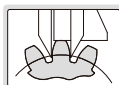
- Measure ring grooves of flange
- Resolution: 0.01mm/0.0005"
- Button function: on/off, set, zero, mm/inch, data preset
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)

Code	Range (inside diameter of RTJ ring groove)	Range (outside diameter of RTJ ring groove)	Angle of RTJ ring groove	Accuracy	Price(₹)
1179-300	10-300mm/0.4-12"	25-300mm/1-12"	23°	±0.06mm	18887
1179-600	10-600mm/0.4-24"	25-600mm/1-24"	23°	±0.07mm	29957

DIGITAL GEAR TOOTH CALIPERS

- Resolution: 0.01mm/0.0005"
- Carbide tips
- Buttons: zero, on/off, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

ATTENTION:
NO DATA OUTPUT



1181-M25A

Code	Range	Accuracy	L1	L2	a	b1	b2	d	Price(₹)
1181-M25A	M1-25mm	±0.04mm	170	165.5	21	16	16	30.5	18065
1181-M50A	M5-50mm	±0.04mm	220	190	50.5	16	16	55	20835

(mm)

DIGITAL HEIGHT GAGES (ECONOMIC MODEL)

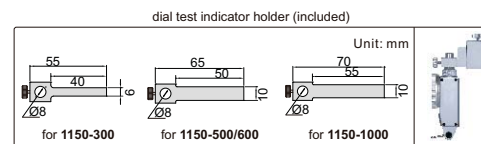
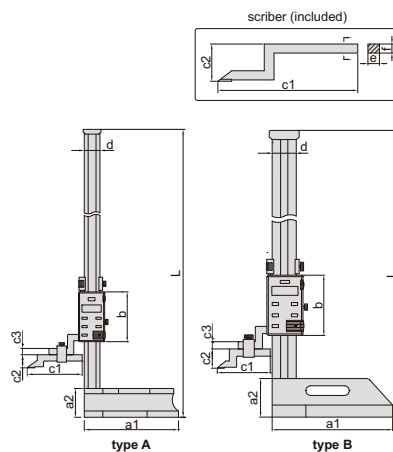
ATTENTION: CAN NOT USE CLAMP
FOR PROTRACTORS (CODE 2372-CLAMP)

ATTENTION:
LOW ACCURACY

**DATA
OUTPUT**



1150-500



- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, ABS/INC, data hold, TOL, set
- ABS/INC is for absolute and incremental measurement
- TOL is for tolerance measurement
- Carbide tipped scribe
- Made of stainless steel (except the base)
- LR44 battery
- Data output
- Supplied with dial test indicator holder
- Supplied with dust cover
- Optional accessory: data output cable (code 7302-SPC7, keyboard format)

data output cable
(optional)



7302-SPC7

dust cover (included)



Code	Range	Type	Accuracy	L	a1	a2	b	c1	c2	c3	d	e	f	Price(₹)
1150-300	0-300mm/0-12"	A	±0.05mm	470	135	45	80	76	25	10	23	6	8	17399
1150-500	0-500mm/0-20"	A	±0.06mm	720	180	55	95	103	25	12	30	10	12	22384
1150-600	0-600mm/0-24"	A	±0.06mm	820	180	55	95	103	25	12	30	10	12	29469
1150-1000	0-1000mm/0-40"	B	±0.08mm	1275	250	80	125	110	39	15	50	10	15	63816

Sizes available up to 2000mm

1150-1000

DIGITAL HEIGHT GAGES WITH DRIVING WHEEL

**INSPECTION
CERTIFICATE**
TRACEABLE TO DKD

**DATA
OUTPUT**



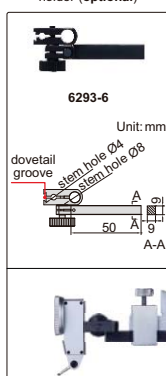
dust cover (included)



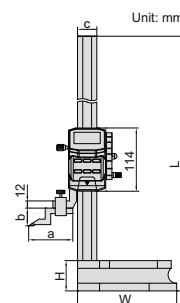
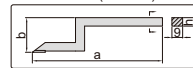
clamp for protractors (optional)



dial test indicator holder (optional)



scribe (included)



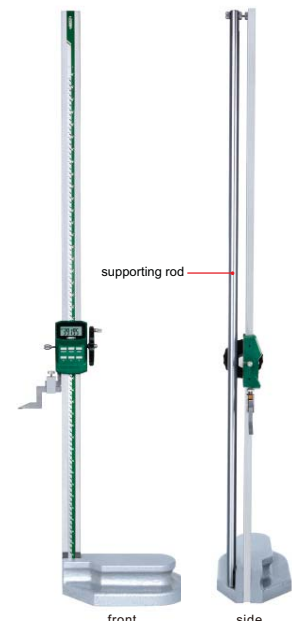
(mm)

Code	Range	Accuracy	L	W	H	a	b	c	h	Price(₹)
1156-300*	0-300mm/0-12"	±0.03mm	515	180	55	80	30	35	9	20139
1156-600*	0-600mm/0-24"	±0.05mm	815	180	55	80	30	35	9	30261
1156-1000*	0-1000mm/0-40"	±0.07mm	1220	265	70	92	48	40	12	116811

*Supplied with manufacturer inspection certificate traceable to DKD Germany



1156-300

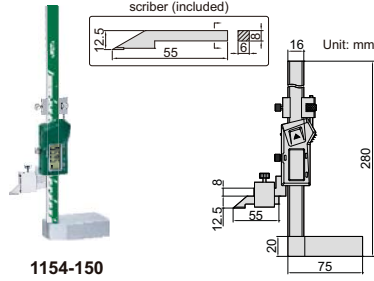
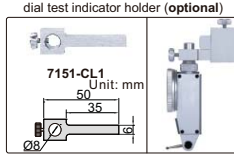


1156-1000

DIGITAL HEIGHT GAGE (LIGHT DUTY)

DATA OUTPUT

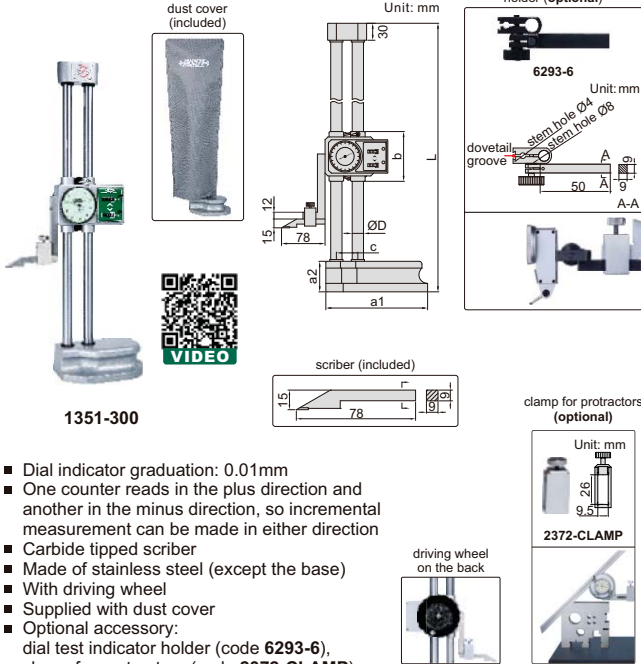
ATTENTION: CAN NOT USE CLAMP FOR PROTRACTORS (CODE 2372-CLAMP)



- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Carbide tipped scriber
- With fine adjustment
- Made of stainless steel
- Battery CR2032
- Data output
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01), dial test indicator holder (code 7151-CL1)

Code	Range	Resolution	Accuracy	Price(₹)
1154-150	0-150mm/0-6"	0.01mm/0.0005"	±0.03mm	7543

DIAL HEIGHT GAGES



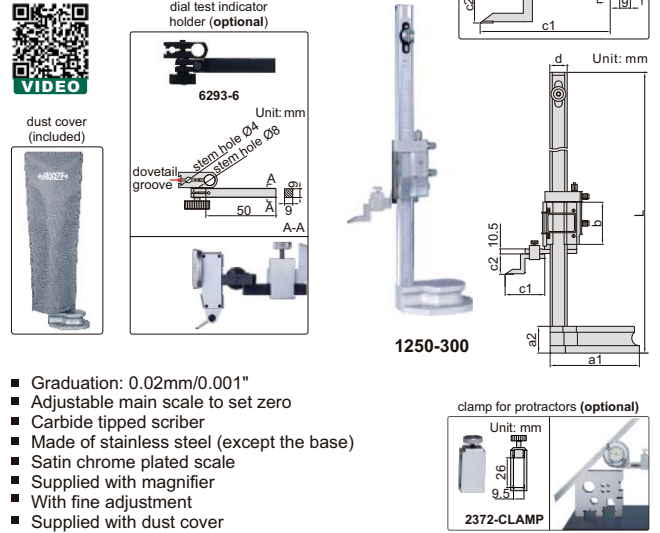
1351-300

- Dial indicator graduation: 0.01mm
- One counter reads in the plus direction and another in the minus direction, so incremental measurement can be made in either direction
- Carbide tipped scriber
- Made of stainless steel (except the base)
- With driving wheel
- Supplied with dust cover
- Optional accessory: dial test indicator holder (code 6293-6), clamp for protractors (code 2372-CLAMP)

(mm)

Code	Range	Accuracy	L	a1	a2	b	c	ØD	Price(₹)
1351-300	0-300mm	±0.04mm	475	135	43	84	33	15	15291
1351-600	0-600mm	±0.05mm	810	180	54	88	38	20	28502

VERNIER HEIGHT GAGES



1250-300

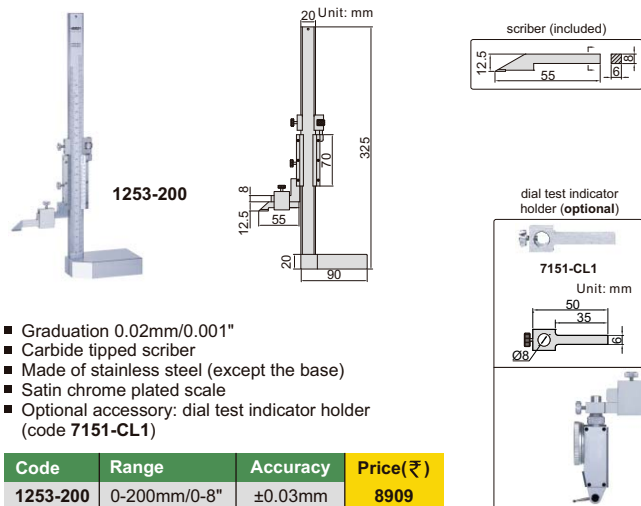
- Graduation: 0.02mm/0.001"
- Adjustable main scale to set zero
- Carbide tipped scriber
- Made of stainless steel (except the base)
- Satin chrome plated scale
- Supplied with magnifier
- With fine adjustment
- Supplied with dust cover
- Optional accessory: dial test indicator holder (code 6293-6), clamp for protractors (code 2372-CLAMP)

(mm)

Code	Range	Accuracy	L	a1	a2	b	c1	c2	d	Price(₹)
1250-300	0-300mm/0-12"	±0.04mm	545	135	43	75	80	30	28	10270
1250-450	0-450mm/0-18"	±0.05mm	720	180	54	85	80	41	35	14729
1250-600	0-600mm/0-24"	±0.05mm	870	180	54	85	80	41	35	15761

VERNIER HEIGHT GAGE (LIGHT DUTY)

ATTENTION: CAN NOT USE CLAMP FOR PROTRACTORS (CODE 2372-CLAMP)

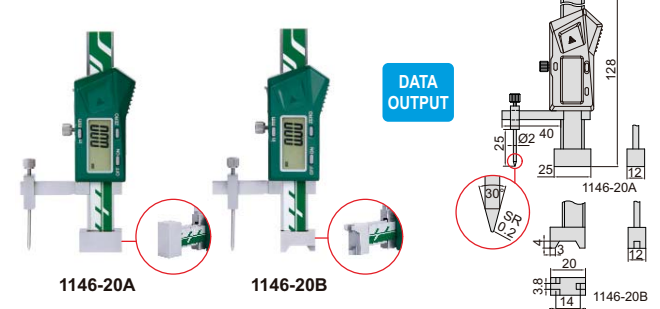


1253-200

- Graduation 0.02mm/0.001"
- Carbide tipped scriber
- Made of stainless steel (except the base)
- Satin chrome plated scale
- Optional accessory: dial test indicator holder (code 7151-CL1)

Code	Range	Accuracy	Price(₹)
1253-200	0-200mm/0-8"	±0.03mm	8909

MINI DIGITAL HEIGHT GAGES

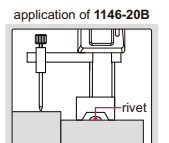
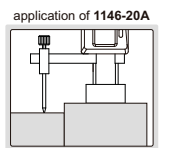


1146-20A

1146-20B

DATA OUTPUT

- Measure height difference of two surfaces (1146-20B suitable for surfaces with barrier, such as rivet)
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



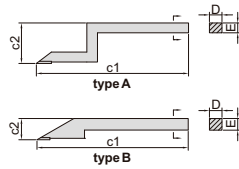
Code	Range	Accuracy	Price(₹)
1146-20A	0~±20mm/0~±0.8"	±0.02mm	5793
1146-20B	0~±20mm/0~±0.8"	±0.02mm	6552

SCRIBERS FOR HEIGHT GAGES



■ Carbide tipped

7150-SC1



Code	For height gages	Type	c1	c2	D	E	Price(₹)
7150-SC1	1150-300	A	76	25	6	8	1320
7150-SC2	1150-500, 1150-600	A	103	25	10	12	1498
7150-SC3	1150-1000, 1150-1500, 1150-2000	A	110	39	10	15	2928
7150-SC4	1351-300, 1351-450, 1351-600	B	78	15	9	9	980
7150-SC6	1250-300, 1156-300, 1156-600	A	80	30	9	9	1321
7150-SC7	1250-450, 1250-600	A	80	41	9	9	1405
7150-SC9	1253-150, 1253-200, 1154-150	B	55	12.5	6	8	771

WATERPROOF DIGITAL DEPTH GAGES

ATTENTION: IT IS NECESSARY TO SET ZERO AFTER POWER ON EACH TIME

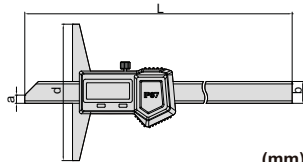
ATTENTION: NO DATE OUTPUT

IP67
WATERPROOF



1149-150

- IP67 dust/waterproof
- Resolution: 0.01mm/0.0005"
- Button function: zero, on/off, mm/inch, ABS/REL, hold
- Meet DIN862
- Battery CR2032
- Made of stainless steel



(mm)

Code	Range	Accuracy	L	a	b	d	Price(₹)
1149-150	0-150mm/0-6"	±0.03mm	240	6	16	100	10506
1149-200	0-200mm/0-8"	±0.03mm	290	6	16	100	14376
1149-300	0-300mm/0-12"	±0.03mm	390	6	16	150	18447

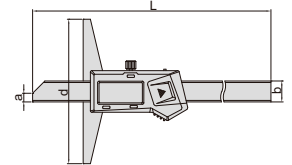
DIGITAL DEPTH GAGES (STANDARD MODEL)

DATA OUTPUT



1141-150A

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Meet DIN862
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



(mm)

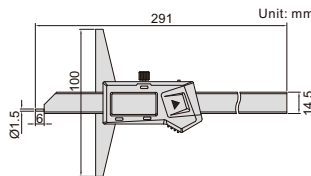
Code	Range	Accuracy	L	a	b	d	Price(₹)
1141-150A	0-150mm/0-6"	±0.03mm	230	6	14.5	100	3289
1141-200A	0-200mm/0-8"	±0.03mm	280	6	14.5	100	3993
1141-300A	0-300mm/0-12"	±0.03mm	380	6	14.5	150	8488

Sizes available up to 500mm

DIGITAL POINT DEPTH GAGE



1143-200A



DATA OUTPUT

Code	Range	Accuracy	Price(₹)
1143-200A	0-200mm/0-8"	±0.03mm	6933

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Meet DIN862
- Battery CR2032, data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)

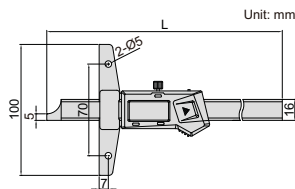
DIGITAL DEPTH GAGES WITH MOUNTING HOLES FOR EXTENSION BASE

DATA OUTPUT



1147-300

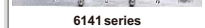
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Meet DIN862
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01), extension base (code 6141)



(mm)

Code	Range	Accuracy	L	Price(₹)
1147-150	0-150mm/0-6"	±0.03mm	237	4755
1147-200	0-200mm/0-8"	±0.03mm	287	5924
1147-300	0-300mm/0-12"	±0.03mm	403	10320

extension base (optional)



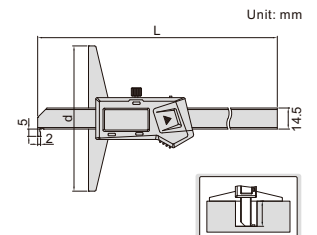
DIGITAL HOOK DEPTH GAGES

DATA OUTPUT



1142-150A

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Meet DIN862
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



(mm)

Code	Range	Accuracy	L	d	Price(₹)
1142-150A	0-150mm/0-6"	±0.03mm	230	100	4820
1142-200A	0-200mm/0-8"	±0.03mm	280	100	5899
1142-300A	0-300mm/0-12"	±0.04mm	380	150	11954

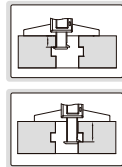
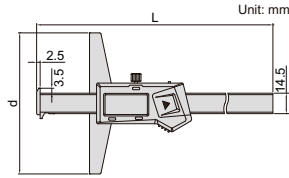
DIGITAL DOUBLE HOOK DEPTH GAGES

DATA
OUTPUT



1144-150A

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Meet DIN862
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)



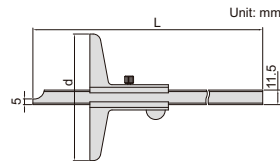
Code	Range	Accuracy	L	d	Price (₹)
1144-150A	0-150mm/0-6"	±0.03mm	233	100	5129
1144-200A	0-200mm/0-8"	±0.03mm	283	100	6068
1144-300A	0-300mm/0-12"	±0.03mm	383	150	12317

VERNIER DEPTH GAGES (STANDARD MODEL)



1240-2001

- Graduation: 0.02mm
- Made of stainless steel
- Satin chrome plated reading surface



Code	Range	Accuracy	L	d	Price (₹)
1240-1501	0-150mm	±0.03mm	245	100	1877
1240-2001	0-200mm	±0.03mm	282	100	1942
1240-3001	0-300mm	±0.04mm	382	100	2516

Sizes available up to 500mm

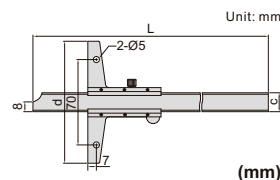
VERNIER DEPTH GAGES

WITH MOUNTING HOLES
FOR EXTENSION BASE



1247-1501

- Graduation: 0.02mm
- Made of stainless steel
- Satin chrome plating finish on reading surface
- Optional accessory: extension base (code 6141)



Code	Range	Accuracy	L	c	d	Price (₹)
1247-1501	0-150mm	±0.03mm	240	16	100	2421
1247-2001	0-200mm	±0.03mm	290	16	100	3058
1247-3001	0-300mm	±0.04mm	390	16	100	3750
1247-6001	0-600mm	±0.05mm	704	16	150	18709
1247-1001	0-1000mm	±0.07mm	1124	18	200	39346

DIGITAL DEPTH GAGES WITH ROUND DEPTH BAR

DATA
OUTPUT

MEASURE DEPTH OF
SMALL HOLES (>Ø4mm)

MEASURE WIDTH AND DEPTH
OF GROOVES INSIDE BORE



1148-100S



1148-120

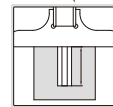


1148-200

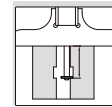
one-hand use of 1148-120



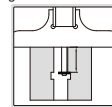
measure depth of
small holes (>Ø4mm)



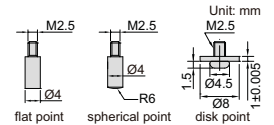
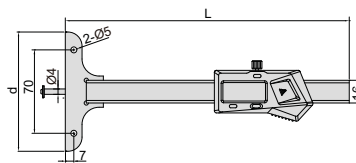
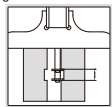
measure depth of
grooves inside bore



measure depth of
grooves inside bore



measure width of
grooves inside bore

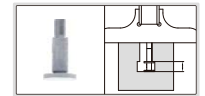


extension base for 1148-120,
1148-200 and 1148-300 (optional)

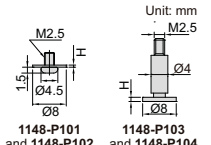


- Resolution: 0.01mm/0.0005"
- Supplied with three interchangeable points (flat, spherical, disk)
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01), disk points (see below table), extension base (code 6141, for 1148-120, 1148-200 and 1148-300)

1148-P103 (optional), measure width
of bottom grooves inside blind hole



1148-P101
(optional)



(mm)

Code	Range	Accuracy	L	d	Remark	Price (₹)
1148-100S	0-100mm/0-4"	±0.02mm	200	45		11779
1148-100	0-100mm/0-4"	±0.02mm	200	85		11788
1148-120	0-120mm/0-4.7"	±0.03mm	300	101	one-hand use, with mounting holes for extension base	13863
1148-200	0-200mm/0-8"	±0.03mm	300	101	with mounting holes for extension base	13966
1148-300	0-300mm/0-12"	±0.03mm	400	101	with mounting holes for extension base	18731

*When disk points are used, the range is reduced by 10mm

OPTIONAL DISK POINTS

Code	Description	H	Remark
1148-P101	0.5mm disk point	0.5±0.005mm	for narrow grooves
1148-P102	0.7mm disk point	0.7±0.005mm	for narrow grooves
1148-P103	1mm disk point	1±0.005mm	for grooves inside blind hole
1148-P104	0.5mm disk point	0.5±0.005mm	for grooves inside blind hole

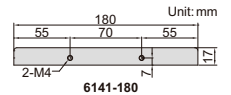
EXTENSION BASES



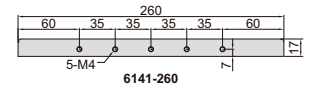
VIDEO



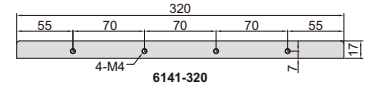
6141-260



6141-180



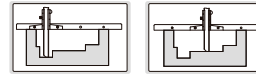
6141-260



6141-320

Code	Length	Price(₹)
6141-180	180mm	1161
6141-260	260mm	1659
6141-320	320mm	2157

- Supplied with two screws
- Made of stainless steel
- Suitable for depth gages series 1147, 1148, 1247, 1248 and 1249

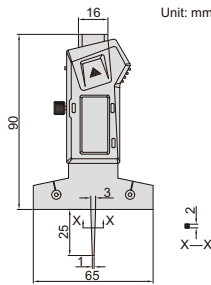


DIGITAL DEPTH GAGE

DATA OUTPUT



1145-25A



Unit: mm

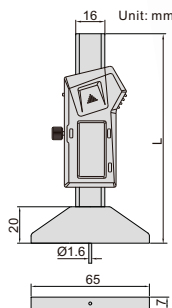


- Measure depth of small groove and hole, also measure depth of tire tread
- Buttons: on/off, zero, mm/inch
- Supplied with zero set surface
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)

Code	Range	Accuracy	Resolution	Price(₹)
1145-25A	0-25mm/0-1"	±0.03mm	0.01mm/0.0005"	3835

MINI DIGITAL DEPTH GAGES WITH ROUND BAR

DATA OUTPUT



Unit: mm



1140-25

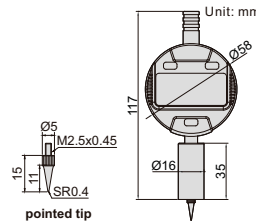
- Measure depth of small groove and hole
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+,-)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)

Code	Range	Accuracy	L	Price(₹)
1140-25	0-25mm/0-1"	±0.02mm	114mm	6134
1140-50	0-50mm/0-2"	±0.02mm	140mm	6865



DIGITAL DEPTH GAGES

DATA OUTPUT



Unit: mm

pointed tip



2142-101

- Dial indicator stroke: 12.7mm/0.5"
- Button function: on/off, zero, mm/inch, ABS, data preset, change measuring direction
- CR2032 battery, automatic power off
- Data output
- Stainless steel base
- Pointed tip
- Optional accessory: data output cable (code 7306-40, 7315-40, 7302-SPC3A, 7305-C01, 7305-SPC1A)

Code	Range	Digital indicator resolution	Accuracy	Base	Price (₹)
2142-101	0-12.7mm/0-0.5"	0.01mm/0.0005"	±20µm	Ø16mm	6614
2142-301	0-12.7mm/0-0.5"	0.001mm/0.00005"	±5µm	Ø16mm	10166

DIGITAL DEPTH GAGES

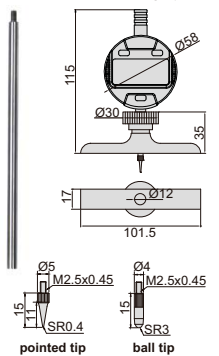


DATA OUTPUT



2141-202A

Unit: mm



pointed tip ball tip

- Digital indicator stroke: 12.7mm/0.5"
- Button function: on/off, zero, mm/inch, ABS, data preset, change measuring direction
- CR2032 battery, automatic power off
- Data output
- Stainless steel base
- Extension rods: 12.5mm (1pc), 25mm (1pc), 50mm (1pc), 75mm (1pc), 100mm (2pcs)
- Supplied with pointed tip and ball tip
- Base: 101.5x17mm
- Optional accessory: data output cable (code 7306-40, 7315-40, 7302-SPC3A, 7305-C01, 7305-SPC1A)

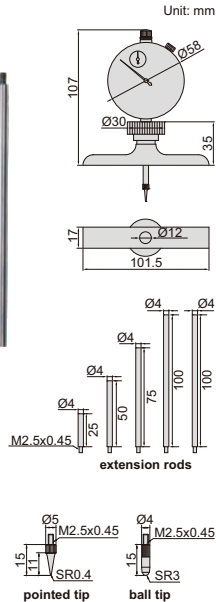
Code	Range	Digital indicator resolution	Accuracy	Price (₹)
2141-202A	0-300mm/0-12"	0.01mm/0.0005"	±20µm	9638
2141-302	0-300mm/0-12"	0.001mm/0.00005"	±5µm	12548

DIAL DEPTH GAGE



2342-202

- Accuracy: ±0.03mm
- Dial indicator stroke: 30mm
- Dial indicator graduation: 0.01mm
- Stainless steel base
- Extension rods: 25mm (1pc), 50mm (1pc), 75mm (1pc), 100mm (2pcs)
- Supplied with pointed tip and ball tip

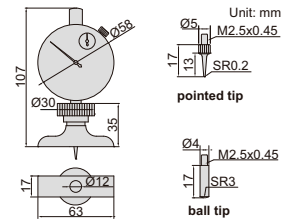


Code	Range	Base	Price(₹)
2342-202	0-300mm	101.5x17mm	7184

DIAL DEPTH GAGE



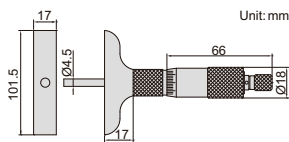
2341-101A



- Dial indicator graduation: 0.01mm
- Stainless steel base
- Supplied with pointed tip and ball tip

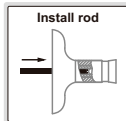
Code	Range	Dial indicator stroke	Accuracy	Price(₹)
2341-101A	0-10mm	10mm	±0.017mm	4193

DEPTH MICROMETER



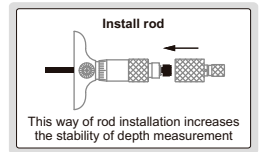
3240-25

- Meet DIN863-2
- Micrometer head accuracy: +/-3µm
- Rod accuracy: +/- (2+L/75)µm, L is the measuring range in mm
- Rods with flat end
- Ratchet stop



Code	Range	Graduation	Rods	Price(₹)
3240-25	0-25mm	0.01mm	1pc	2984

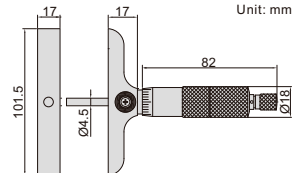
DEPTH MICROMETERS



3241-100

- Meet DIN863-2
- Graduation: 0.01mm
- Micrometer head accuracy: +/-3µm
- Rod accuracy: +/- (2+L/75)µm, L is the measuring range in mm
- Rods with flat end
- Ratchet stop

Code	Range	Rods	Price(₹)
3241-25	0-25mm	1pc	3871
3241-50	0-50mm	2pcs	4561
3241-100	0-100mm	4pcs	6212
3241-150	0-150mm	6pcs	7615
3241-300	0-300mm	12pcs	12150



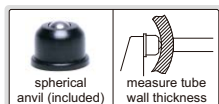
DIGITAL OUTSIDE MICROMETERS



3109-25A

ATTENTION: NO DATA OUTPUT

- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC
- No data output
- LR44 battery, automatic power off
- Carbide measuring faces
- Friction thimble
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")



Code	Range	Accuracy	L	a	b	Price(₹)
3109-25A*	0-25mm/0-1"	±2µm	32	6	27.5	3905
3109-50A*	25-50mm/1-2"	±2µm	57	8	37	4715
3109-75A*	50-75mm/2-3"	±3µm	82	8	50	5324
3109-100A*	75-100mm/3-4"	±3µm	107	10	61	6018

(mm)

*Supplied with manufacturer inspection certificate traceable to DKD Germany

DIGITAL OUTSIDE MICROMETERS (WITHOUT DATA OUTPUT)

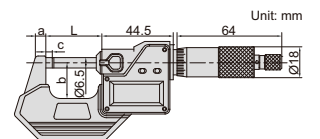
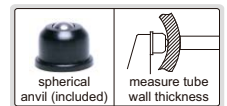


3108-25A

ATTENTION: NO DATA OUTPUT

IP65 WATERPROOF

- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- No data output
- LR44 battery, automatic power off
- Carbide measuring faces
- Ratchet stop
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")

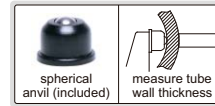


Code	Range	Accuracy	L	a	b	c	Price(₹)
3108-25A*	0-25mm/0-1"	±2µm	34.5	6	25	3	5257
3108-50A*	25-50mm/1-2"	±2µm	59.5	8	32	3	6569
3108-75A*	50-75mm/2-3"	±3µm	84.5	8	44.5	3	8034
3108-100A*	75-100mm/3-4"	±3µm	109.5	8	57	3	8844
3108-125A	100-125mm/4-5"	±3µm	135	10	70	3	10255
3108-150A	125-150mm/5-6"	±3µm	160.5	10	82	3	11185
3108-175A	150-175mm/6-7"	±4µm	186	12	94.5	5.5	12239
3108-200A	175-200mm/7-8"	±4µm	211.5	12	107	5.5	13550

(mm)

*Supplied with manufacturer inspection certificate traceable to DKD Germany

DIGITAL OUTSIDE MICROMETERS (WITH DATA OUTPUT)

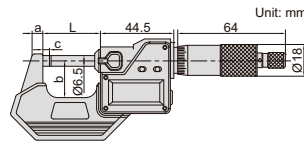


IP65
WATERPROOF

DATA
OUTPUT

INSPECTION
CERTIFICATE
TRACEABLE TO DKD

- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Carbide measuring faces
- Ratchet stop
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7306-30A, 7315-30, 7302-SPC6, 7305-B01, 7305-SPC3A)

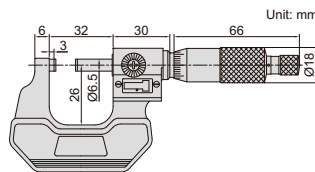


Code	Range	Accuracy	L	a	b	c	Price(₹)
3101-25A*	0-25mm/0-1"	±2µm	34.5	6	25	3	9570
3101-50A*	25-50mm/1-2"	±2µm	59.5	8	32	3	10319
3101-75A*	50-75mm/2-3"	±3µm	84.5	8	44.5	3	9973
3101-100A*	75-100mm/3-4"	±3µm	109.5	8	57	3	10691

*Supplied with manufacturer inspection certificate traceable to DKD Germany
- Sizes available up to 300mm

OUTSIDE MICROMETER WITH COUNTER

INSPECTION
CERTIFICATE
TRACEABLE TO DKD



- Accuracy: 4µm
- Carbide measuring faces
- Meet DIN863-1
- Ratchet stop
- Supplied with setting standards (except 0-25mm)

Code	Range	Counter resolution	Thimble graduation	Price(₹)
3400-25*	0-25mm	0.01mm	0.01mm	3447

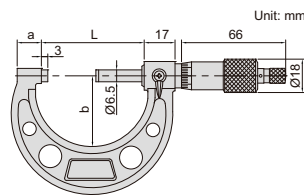
*Supplied with manufacturer inspection certificate traceable to DKD Germany
- Sizes available up to 100mm

1µm GRADUATION OUTSIDE MICROMETERS

INSPECTION
CERTIFICATE
TRACEABLE TO DKD



3210-25A



- Graduation: 0.001mm
- Carbide measuring faces
- Meet DIN863-1
- Ratchet stop
- Supplied with setting standards (except 0-25mm)

Code	Range	Accuracy	L	a	b	Price(₹)
3210-25A*	0-25mm	4µm	32	9	28	1640
3210-50A*	25-50mm	4µm	57	14	38	1799
3210-75A*	50-75mm	5µm	82	15	49	1993
3210-100A*	75-100mm	5µm	107	15	60	2203
3210-125A	100-125mm	6µm	133	16.5	73	2657
3210-150A	125-150mm	6µm	158	16.5	85	3038
3210-175A	150-175mm	7µm	183	19.4	104	3611
3210-200A	175-200mm	7µm	209	19.4	117	4054

*Supplied with manufacturer inspection certificate traceable to DKD Germany

OUTSIDE MICROMETERS

INSPECTION
CERTIFICATE
TRACEABLE TO DKD

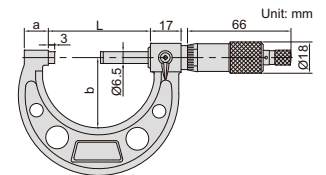


3203-50A



3203-25A

- Graduation: metric 0.01mm
imperial .0001"
- Carbide measuring faces
- Ratchet stop
- Meet DIN863-1
- Supplied with setting standards (except 0-25mm and 0-1")



Imperial

Code	Range	Accuracy	L	a	b	Price(₹)
3203-1A*	0-1"	.00016"	1.260"	.354"	1.102"	1415
3203-2A*	1-2"	.00016"	2.244"	.551"	1.496"	1591
3203-3A*	2-3"	.00020"	3.228"	.591"	1.929"	1760
3203-4A*	3-4"	.00020"	4.213"	.591"	2.362"	1957
3203-5A*	4-5"	.00024"	5.236"	.650"	2.874"	2461
3203-6A*	5-6"	.00024"	6.220"	.650"	3.346"	2787

*Supplied with manufacturer inspection certificate traceable to DKD Germany or NIST USA

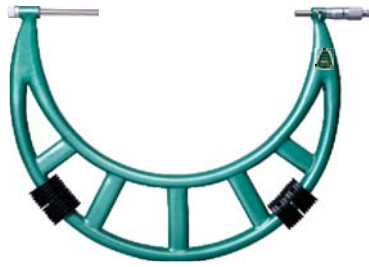
Metric

Code	Range	Accuracy	L	a	b	Price(₹)
3203-25A*	0-25mm	±2µm	32	9	28	1385
3203-50A*	25-50mm	±2µm	57	14	38	1570
3203-75A*	50-75mm	±2µm	82	15	49	1821
3203-100A*	75-100mm	±3µm	107	15	60	2025
3203-125A	100-125mm	±3µm	133	16.5	73	2461
3203-150A	125-150mm	±3µm	158	16.5	85	2787
3203-175A	150-175mm	±4µm	183	19.4	104	3421
3203-200A	175-200mm	±4µm	209	19.4	117	3789
3203-225A	200-225mm	±4µm	234	19.4	130	4092
3203-250A	225-250mm	±5µm	260	19.4	142	4581
3203-275A	250-275mm	±5µm	285	19.4	155	5074
3203-300A	275-300mm	±5µm	310	19.4	168	5382

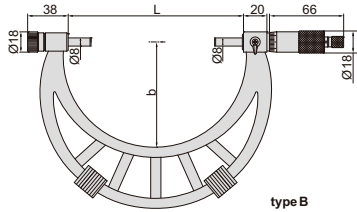
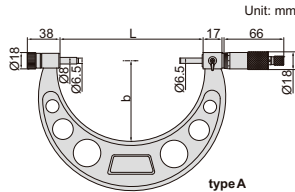
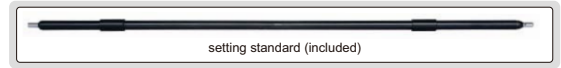
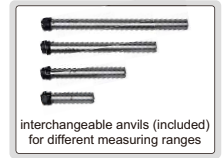
OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS



3206-150A



3206-400



- Graduation: metric 0.01mm
imperial .0001"
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards

Metric

Code	Range	Type	Accuracy	L	b	Setting standard (included)	Price(₹)
3206-100A	0-100mm	A	5µm	108	57	25, 50, 75	8659
3206-150A	0-150mm	A	6µm	158	82	25, 50, 75, 100, 125	10733
3206-151A	50-150mm	A	6µm	158	82	50, 75, 100, 125	9546
3206-200A	100-200mm	A	7µm	208	114	100, 125, 150, 175	12233
3206-300A	150-300mm	A	9µm	308	165	150, 175, 200, 225, 250, 275	13733
3206-301A	200-300mm	A	9µm	308	165	200, 225, 250, 275	13354
3206-400	300-400mm	B	11µm	409	224	325, 375	22295
3206-500	400-500mm	B	13µm	509	275	425, 475	25157
3206-600	500-600mm	B	14µm	609	321	525, 575	28835
3206-700	600-700mm	B	16µm	709	371	625, 675	33237
3206-800	700-800mm	B	18µm	809	426	725, 775	38812
3206-900	800-900mm	B	20µm	909	476	825, 875	43997
3206-1000	900-1000mm	B	22µm	1009	576	925, 975	50287

Imperial

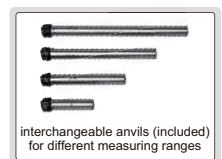
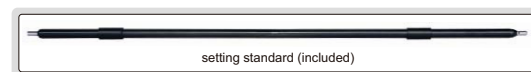
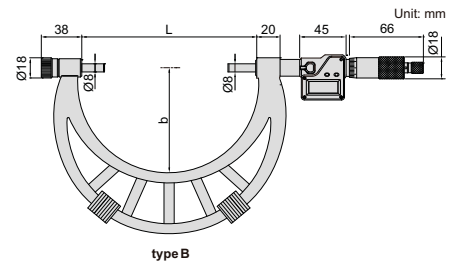
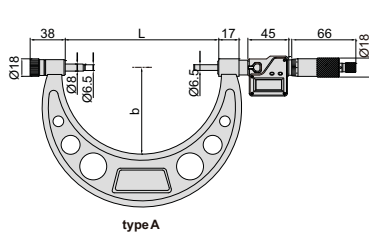
Code	Range	Type	Accuracy	L	b	Setting standard (included)	Price(₹)
3206-6	0-6"	A	.00024"	6.220"	3.228"	1", 2", 3", 4", 5"	10473
3206-8	4-8"	A	.00028"	8.189"	4.488"	4", 5", 6", 7"	12100
3206-12	6-12"	A	.00035"	12.126"	6.496"	6", 7", 8", 9", 10", 11"	13290

DIGITAL OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS

IP65 WATERPROOF **DATA OUTPUT**



3506-400A

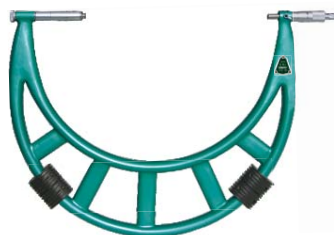


- Resolution 0.001mm/0.0001"
(resolution of 3506-150A is 0.001mm/0.00005")
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable
(code 7306-30A, 7315-30, 7302-SPC6, 7305-B01, 7305-SPC3A)

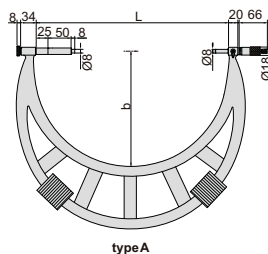
Code	Range	Type	Accuracy	L	b	Setting standard (included)	Price(₹)
3506-150A	0-150mm/0-6"	A	±6µm	155	82	25, 50, 75, 100, 125	18316
3506-300A	150-300mm/6-12"	A	±8µm	305	165	150, 175, 200, 225, 250, 275	21188
3506-400A	300-400mm/12-16"	B	±9µm	405	224	325, 375	25523
3506-500A	400-500mm/16-20"	B	±11µm	505	275	425, 475	29107

Sizes available up to 1000mm

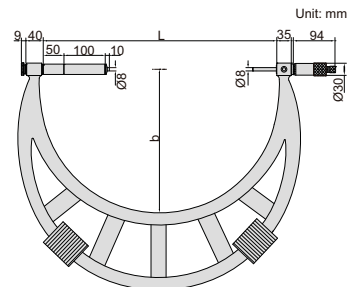
OUTSIDE MICROMETERS WITH EXTENSION ANVIL COLLAR



3205-400



type A



type B

Unit: mm



setting standard (included)



adjust collars for different measuring ranges

- Graduation: 0.01mm
- Adjust collars for different measuring ranges
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards

Code	Range	Type	Accuracy	L	b	Setting standard (included)	Price(₹)
3205-400	300-400mm	A	11µm	410	250	325, 375	17622
3205-500	400-500mm	A	13µm	510	295	425, 475	19920
3205-600	500-600mm	A	14µm	610	345	525, 575	23452
3205-700	600-700mm	A	16µm	710	395	625, 675	28161
3205-800	700-800mm	A	18µm	810	445	725, 775,	33171
3205-900	800-900mm	A	20µm	910	495	825, 875	38590
3205-1000	900-1000mm	A	22µm	1010	545	925, 975	43109
3205-1200	1000-1200mm	B	22µm	1210	645	1050, 1150	89169
3205-1400	1200-1400mm	B	24µm	1410	745	1250, 1350	95215
3205-1600	1400-1600mm	B	28µm	1610	845	1450, 1550	106305
3205-1800	1600-1800mm	B	31µm	1810	945	1650, 1750	113131
3205-2000	1800-2000mm	B	34µm	2010	1045	1850, 1950	119643

(mm)

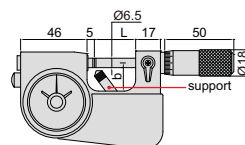
INDICATING MICROMETERS



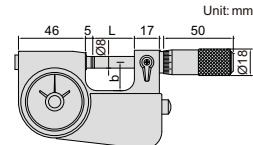
3332-25



3332-25B



type A



type B

Unit: mm

- Meet DIN863-3
- Micrometer head graduation: 0.002mm
- Dial indicator: range ±0.04mm, graduation 0.001mm, accuracy 0.001mm
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)

Code	Micrometer head range	Micrometer head accuracy	Type	L	b	Remark	Price(₹)
3332-25	0-25mm	4µm	A	28.5	19	with support	18984
3332-50	25-50mm	4µm	A	53.5	30	with support	21726
3332-75	50-75mm	5µm	A	78.5	45	without support	24889
3332-100	75-100mm	5µm	A	103.5	57	without support	28364
3332-25B	0-25mm	4µm	B	28.5	19	without support	18984

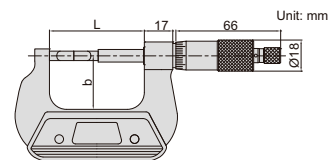
(mm)

BLADE MICROMETERS

NON-ROTATING SPINDLE



3232-25A



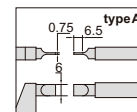
Unit: mm

- Meet DIN863-3
- Measure the groove diameter of shafts and keyways
- Graduation: 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with setting standards (except 0-25mm)

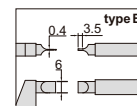
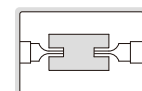
Code	Range	Type	Accuracy	L	b	Price(₹)
3232-25A	0-25mm	A	4µm	57	32	6627
3232-50A	25-50mm	A	4µm	82	44.5	8923
3232-75A	50-75mm	A	5µm	107	57	9612
3232-100A	75-100mm	A	5µm	132.6	69.5	10398
3232-25BA	0-25mm	B	4µm	57	32	8148

(mm)

Sizes available up to 175mm



type A

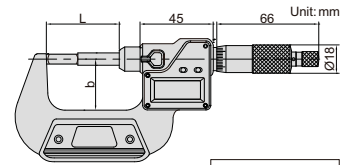


type B

DIGITAL BLADE MICROMETERS

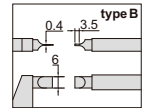
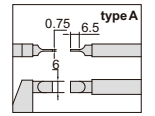
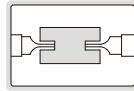
NON-ROTATING SPINDLE

DATA OUTPUT



3532-25A

- Measure the groove diameter of shafts and keyways
- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7306-30A, 7315-30, 7302-SPC6, 7305-B01, 7305-SPC3A)



Code	Range	Type	Accuracy	Price(₹)
3532-25A	0-25mm/0-1"	A	±4µm	15771
3532-25BA	0-25mm/0-1"	B	±4µm	17246

Sizes available up to 100mm

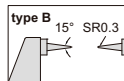
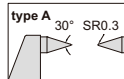
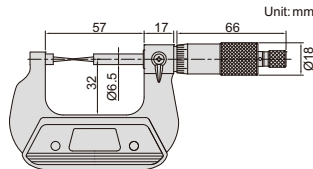
(mm)

POINT MICROMETERS



3230-25A

- Measure the web thickness of drills, small grooves and keyways
- Graduation: 0.01mm
- Ratchet stop
- Carbide tips
- Supplied with setting standards (except 0-25mm)



Code	Range	Type	Accuracy	Price(₹)
3230-25A	0-25mm	A	4µm	4062
3230-25BA	0-25mm	B	4µm	4062

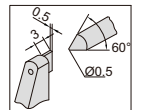
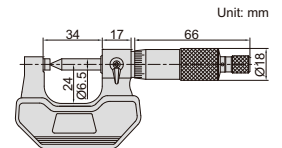
Sizes available up to 100mm

CRIMP HEIGHT MICROMETER



3266-25BA

- Measure the height of crimp contact
- Graduation: 0.01mm
- Ratchet stop



Code	Range	Accuracy	Price(₹)
3266-25BA	0-25mm	4µm	4282

DIGITAL POINT MICROMETERS

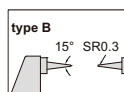
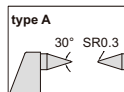
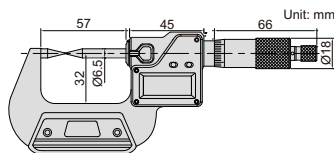
DATA OUTPUT

IP65 WATERPROOF



3530-25A

- Measure the web thickness of drills, small grooves and keyways
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide tips
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: data output cable (code 7306-30A, 7315-30, 7302-SPC6, 7305-B01, 7305-SPC3A)



Code	Range	Type	Accuracy	Price(₹)
3530-25A	0-25mm/0-1"	A	±4µm	12578
3530-25BA	0-25mm/0-1"	B	±4µm	12616

Sizes available up to 100mm

DIGITAL CRIMP HEIGHT MICROMETER

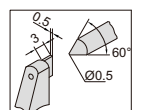
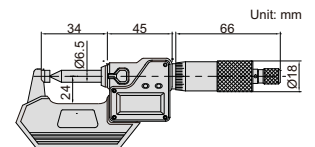
IP65 WATERPROOF

DATA OUTPUT



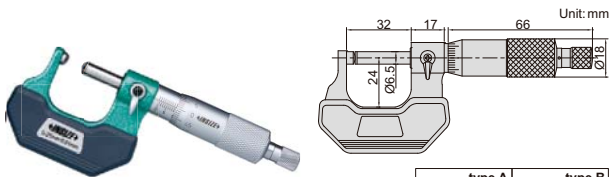
3566-25BA

- Measure the height of crimp contact
- Resolution 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Optional accessory: data output cable (code 7306-30A, 7315-30, 7302-SPC6, 7305-B01, 7305-SPC3A)



Code	Range	Accuracy	Price(₹)
3566-25BA	0-25mm/0-1"	±4µm	14119

SPHERICAL ANVIL TUBE MICROMETERS

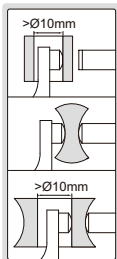
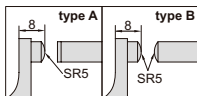


3260-25SA

- Meet DIN863-3
- Measure wall thickness of tubes
- Graduation: 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)

Code	Range	Type	Accuracy	Price(₹)
3260-25A	0-25mm	A	4μm	2251
3260-25SA	0-25mm	B	4μm	2251

Sizes available up to 100mm



CYLINDRICAL ANVIL TUBE MICROMETERS

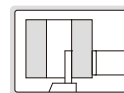
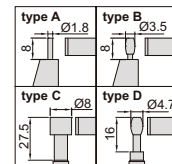


3261-25A

- Measure wall thickness of tubes
- Graduation: 0.01mm
- Ratchet stop
- Carbide spindle tip
- Supplied with setting standards (except 0-25mm)

Code	Range	Type	Accuracy	Price(₹)
3261-25A	0-25mm	A	6μm	2822
3261-25BA	0-25mm	B	6μm	3024
3261-25CA	0-25mm	C	6μm	3024
3261-25DA	0-25mm	D	6μm	2783

Sizes available up to 50mm



SPLINE MICROMETER



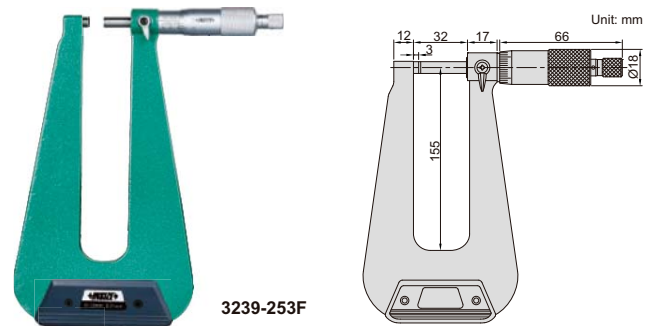
3233-25BA

- Meet DIN863-3
- Measure splined shafts, slots and keyways
- Graduation: 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)

Code	Range	Accuracy	Price(₹)
3233-25BA	0-25mm	4μm	4203

Sizes available up to 175mm

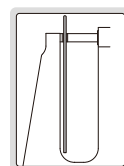
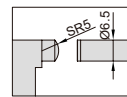
SHEET METAL MICROMETER



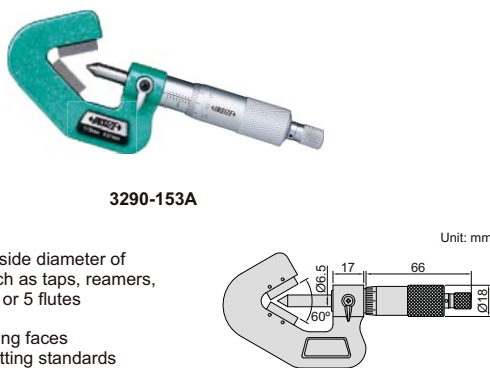
3239-253F

- Deep frame suitable for sheet metal, paper and plastic
- Graduation: 0.01mm
- Ratchet stop
- Carbide measuring faces

Code	Range	Accuracy	Price(₹)
3239-253F	0-25mm	7μm	5688



V-ANVIL MICROMETERS



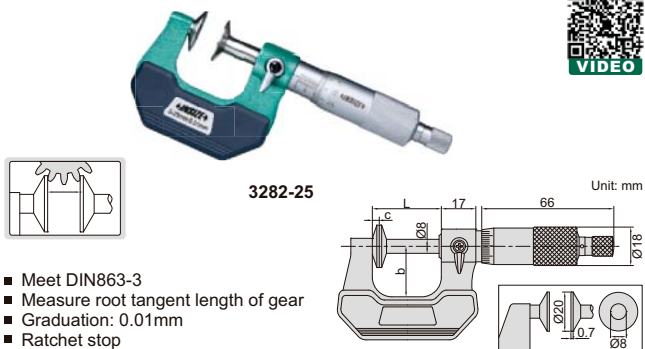
3290-153A

- Meet DIN863-3
- Measure the outside diameter of cutting tools (such as taps, reamers, end mills) with 3 or 5 flutes
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards

Code	Range	Flutes	Graduation	Accuracy	Price(₹)
3290-153A	1-15mm	3	0.01mm	4μm	9193
3290-203A	5-20mm	3	0.01mm	4μm	9776

Sizes available up to 95mm

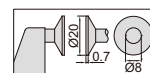
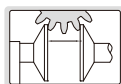
DISK MICROMETERS (ECONOMIC MODEL)



3282-25

- Meet DIN863-3
- Measure root tangent length of gear
- Graduation: 0.01mm
- Ratchet stop
- Supplied with setting standards

Code	Range	Accuracy	Parallelism	L	b	c	Price(₹)
3282-25	0-25mm	4μm	5μm	34	24	3.3	4897
3282-50	25-50mm	4μm	5μm	59	32	3.3	5674
3282-75	50-75mm	5μm	5μm	85	45	3.3	6400
3282-100	75-100mm	5μm	5μm	110	57	3.3	7574



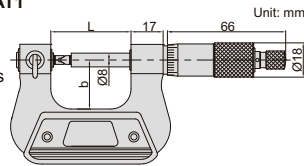
(mm)

SCREW THREAD MICROMETERS WITH MEASURING TIPS

NON-ROTATING SPINDLE



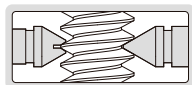
3281-25AT1



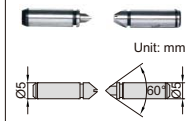
- Measure pitch diameter of screw threads
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with measuring tips and 60° setting standards (except 0-25mm)

accuracy of micrometers with tips (mm)

Pitch	Range					
	0-25	25-50	50-75	75-100	100-125	125-200
0.4~0.5	±0.01	-	-	-	-	-
0.6~0.8	±0.01	±0.013	-	-	-	-
1~1.25	±0.012	±0.015	±0.017	±0.017	-	-
1.5~2.0	±0.014	±0.017	±0.019	±0.019	±0.020	±0.023
2.5~3.5	±0.016	±0.019	±0.021	±0.021	±0.023	±0.025
4.0~7.0	-	±0.021	±0.023	±0.023	±0.025	±0.028



measuring tips (included)



60° measuring tips (6 pairs):
 0.4-0.5mm/ 64-48TPI,
 0.6-0.9mm/ 44-28TPI,
 1-1.75mm/ 24-14TPI,
 2-3mm/ 13-9TPI,
 3.5-5mm/ 8-5TPI,
 5.5-7mm/ 4.5-3.5TPI

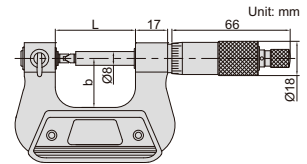
Code	Range	L	b	Price (₹)
3281-25AT1	0-25mm	42	26	11311
3281-50AT1	25-50mm	67	38	11862
3281-75AT1	50-75mm	92	50	12761
3281-100AT1	75-100mm	117.6	62	13432
3281-125AT1	100-125mm	143	70	14443
3281-150AT1	125-150mm	168.2	82	15465
3281-175AT1	150-175mm	192	94.5	16742
3281-200AT1	175-200mm	217	107	17627

SCREW THREAD MICROMETERS WITHOUT MEASURING TIPS

NON-ROTATING SPINDLE



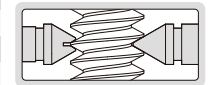
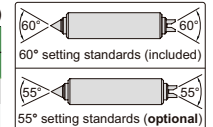
3281-25A



- Measure pitch diameter of screw threads
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with 60° setting standards
- Optional accessory: 55° setting standards, measuring tips (code 7381)

accuracy of micrometers with tips (mm)

Pitch	Range					
	0-25	25-50	50-75	75-100	100-125	125-200
0.4~0.5	±0.01	-	-	-	-	-
0.6~0.8	±0.01	±0.013	-	-	-	-
1~1.25	±0.012	±0.015	±0.017	±0.017	-	-
1.5~2.0	±0.014	±0.017	±0.019	±0.019	±0.020	±0.023
2.5~3.5	±0.016	±0.019	±0.021	±0.021	±0.023	±0.025
4.0~7.0	-	±0.021	±0.023	±0.023	±0.025	±0.028



Code	Range	L	b	55° setting standard (optional)	Price (₹)
3281-25A	0-25mm	42mm	26mm	-	5326
3281-50A	25-50mm	67mm	38mm	3281-SP1	5938
3281-75A	50-75mm	92mm	50mm	3281-SP2	6926
3281-100A	75-100mm	117.6mm	62mm	3281-SP3	7684
3281-125A	100-125mm	143mm	70mm	3281-SP4	8790
3281-150A	125-150mm	168.2mm	82mm	3281-SP5	9918
3281-175A	150-175mm	192mm	94.5mm	3281-SP6	10773
3281-200A	175-200mm	217mm	107mm	3281-SP7	11936

MEASURING TIPS FOR SCREW THREAD MICROMETERS

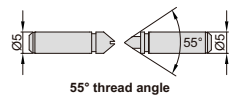
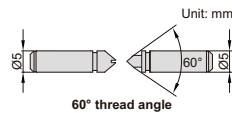
- Supplied in pair
- Suitable for 3281, 3581 series micrometers



7381-T13

Metric and unified thread (60° thread angle)

Code	Pitch	Price (₹)
7381-T11	0.4-0.5mm/64-48TPI	964
7381-T12	0.6-0.9mm/44-28TPI	964
7381-T13	1-1.75mm/24-14TPI	964
7381-T14	2-3mm/13-9TPI	964
7381-T15	3.5-5mm/8-5TPI	964
7381-T16	5.5-7mm/4.5-3.5TPI	964
7381-TS	6 pairs/set, including all above tips	6122



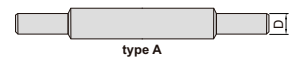
Whitworth thread (55° thread angle)

Code	Pitch	Price (₹)	Code	Pitch	Price (₹)
7381-T21	60-48TPI	964	7381-T27	14-10TPI	964
7381-T22	48-40TPI	964	7381-T28	10-7TPI	964
7381-T23	40-32TPI	964	7381-T29	7-4.5TPI	964
7381-T24	32-24TPI	964	7381-T210	4.5-3.5TPI	964
7381-T25	24-18TPI	964	7381-T2S	10 pairs/set, including all above tips	9236
7381-T26	18-14TPI	964			

MICROMETER SETTING STANDARDS



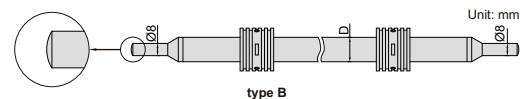
6310-100



type A



6310-300



type B

(mm)

Code	Length	Type	Accuracy	D	Price (₹)
6310-25	25	A	±1.5µm	Ø7	223
6310-50	50	A	±2µm	Ø7	253
6310-75	75	A	±2.5µm	Ø7	311
6310-100	100	A	±3µm	Ø8	396
6310-125	125	A	±3.5µm	Ø8	485
6310-150	150	A	±4µm	Ø8	543
6310-175	175	A	±4.5µm	Ø8	627
6310-200	200	A	±5µm	Ø8	715
6310-225	225	A	±5.5µm	Ø8	793
6310-250	250	A	±6µm	Ø8	907
6310-275	275	A	±6.5µm	Ø8	985
6310-300	300	B	±7µm	Ø16	1882

Sizes available up to 1950mm

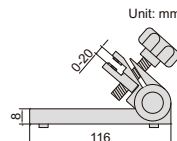
MICROMETER STAND

Code	Price (₹)
6300	1510

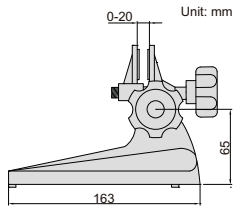
- Suitable for micrometers up to 100mm



6300



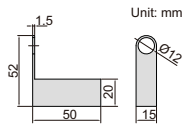
MICROMETER STAND



6301

Code	Price(₹)
6301	1029

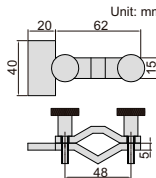
- Suitable for micrometers up to 100mm



6301-1

- Suitable for inside micrometers

Code	Description	Applicable products	Price(₹)
6301-1	clamp for inside micrometers	all sizes of 3220 series	1484



6301-2

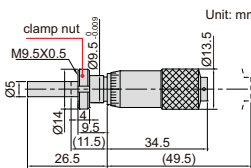
- Suitable for three points internal micrometers

Code	Description	Applicable products	Price(₹)
6301-2	clamp for three points internal micrometers	up to 100mm of 3127 and 3227 series	3807

MICROMETER HEAD



6387-15



- Meet DIN863-2
- Graduation 0.01mm

Code	Range	Stem	Spindle tip	Accuracy	Price(₹)
6387-15	0-15mm	with clamp nut	flat	3µm	1862

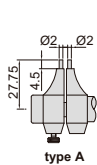
INSIDE MICROMETERS (ECONOMIC MODEL)

- Graduation: 0.01mm
- Ratchet stop
- Carbide measuring faces
- Optional accessory: setting ring (code 6312), micrometer stand and clamp (code 6301 and 6301-1)

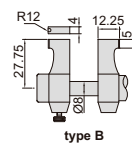


3220-50

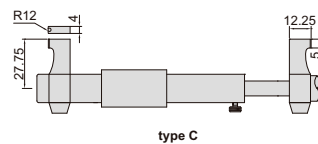
micrometer stand with clamp (optional)



type A



type B



type C

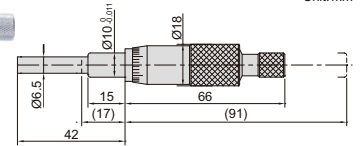
Code	Range	Type	Setting ring	Accuracy	Price(₹)
3220-30	5-30mm	A	5mm(included)	7µm	4120
3220-50	25-50mm	B	25mm(included)	8µm	4372
3220-75	50-75mm	B	50mm(optional)	9µm	5088
3220-100	75-100mm	C	75mm(optional)	10µm	5716

MICROMETER HEAD



6381-25W

- Meet DIN863-2
- Graduation: 0.01mm
- Ratchet stop



Unit: mm

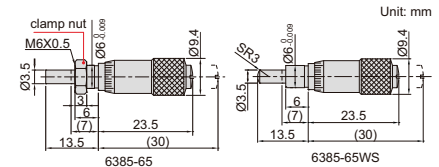
Code	Range	Stem	Spindle tip	Accuracy	Price(₹)
6381-25W	0-25mm	plain	flat (carbide)	3µm	1423

SMALL MICROMETER HEADS



6385-65W

- Graduation 0.01mm



Unit: mm

Code	Range	Stem	Spindle tip	Accuracy	Price(₹)
6385-65	0-6.5mm	with clamp nut	flat	5µm	1721
6385-65W	0-6.5mm	plain	flat	5µm	1495
6385-65S	0-6.5mm	with clamp nut	spherical (SR3)	5µm	1786
6385-65WS	0-6.5mm	plain	spherical (SR3)	5µm	1495

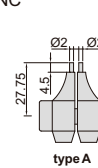
DIGITAL INSIDE MICROMETERS (ECONOMIC MODEL)

DATA OUTPUT

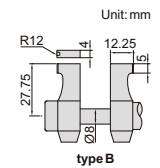


3520-30

- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Optional accessory: data output cable (code 7306-30A, 7315-30, 7302-SPC6, 7305-B01, 7305-SPC3A), setting ring (code 6312)



type A



type B

Code	Range	Type	Setting ring	Accuracy	Price(₹)
3520-30	5-30mm/0.2-1.2"	A	5mm(included)	±5µm	14662
3520-50	25-50mm/1-2"	B	25mm(included)	±6µm	14617

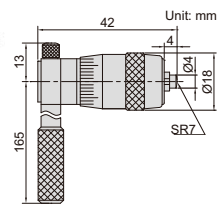
Sizes available up to 100mm

TUBULAR INSIDE MICROMETERS



3221-200

- Graduation: 0.01mm
- Accuracy: (6+L/50)µm
L=maximum measuring length (mm)
- Optional accessory: setting ring (code 6312)



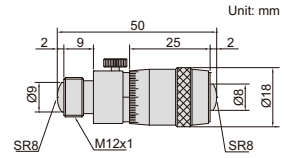
Unit: mm

Code	Range	Travel of micrometer head	Extension rods	Price(₹)
3221-50	25-50mm	7mm	2pcs	6929
3221-200	50-200mm	13mm	6pcs	9017
3221-300	50-300mm	13mm	10pcs	10102

Sizes available up to 1000mm

TUBULAR INSIDE MICROMETERS

- Graduation: 0.01mm
- Accuracy: $(3+n+L/50)\mu\text{m}$
n=number of rods,
L=maximum measuring length (mm)
- Supplied with setting standards
- Carbide measuring faces



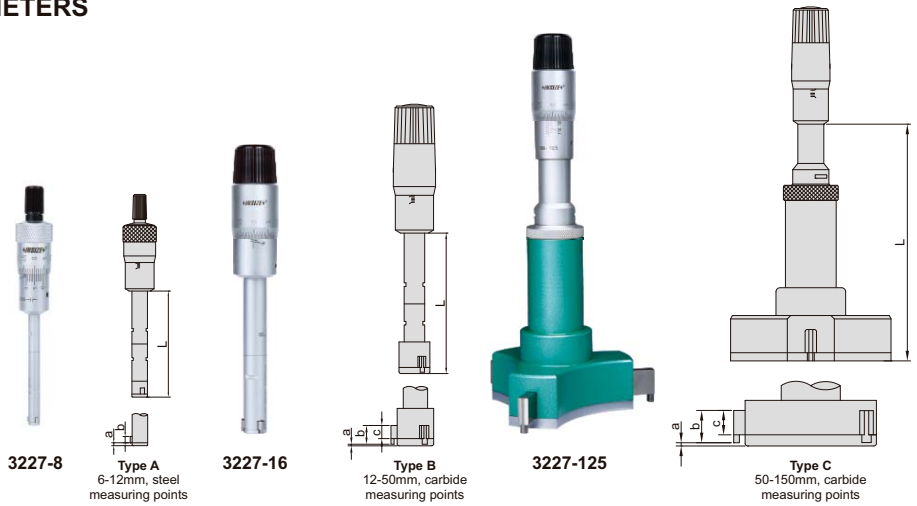
Code	Range	Travel of micrometer head	Extension rods	Price(₹)
3222-150	50-150mm	13mm	13mm, 25mm, 50mm	6220
3222-300	50-300mm	13mm	13mm, 25mm, 50mm (2pcs), 100mm	8372
3222-500	50-500mm	13mm	13mm, 25mm, 50mm (2pcs), 100mm, 200mm	10358
3222-600	50-600mm	13mm	13mm, 25mm, 50mm, 100mm, 150mm, 200mm	10952
3222-1000	50-1000mm	13mm	13mm, 25mm, 50mm (2pcs), 100mm, 200mm (2pcs), 300mm	19910

Sizes available up to 1500mm

THREE POINTS INTERNAL MICROMETERS



- Meet DIN863-4
- 6-12mm: graduation 0.001mm, 12-300mm: graduation 0.005mm
- Ratchet stop
- Optional accessory: setting rings (code 6312), micrometer stand and clamp (code 6301 and 6301-2)

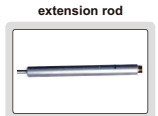


Individual

Code	Range	Type	Accuracy	Setting ring	Extension rod (included)	L	a	b	c	Price(₹)
3227-8*	6-8mm	A	4μm	Ø6mm(included)	100mm	54.5	1.5	2.5	—	15878
3227-10*	8-10mm	A	4μm	Ø8mm(included)	100mm	54.5	1.5	2.5	—	15878
3227-12*	10-12mm	A	4μm	Ø10mm(included)	100mm	54.5	1.5	2.5	—	15878
3227-16*	12-16mm	B	4μm	Ø16mm(included)	150mm	80	0.5	6	4.5	11996
3227-20*	16-20mm	B	4μm	Ø16mm(included)	150mm	80	0.5	6	4.5	11996
3227-25*	20-25mm	B	4μm	Ø25mm(included)	150mm	90	0.5	8	6	16861
3227-30*	25-30mm	B	4μm	Ø25mm(included)	150mm	90	0.5	8	6	16861
3227-40*	30-40mm	B	4μm	Ø40mm(included)	150mm	97	0.5	14	12	18160
3227-50*	40-50mm	B	5μm	Ø40mm(included)	150mm	97	0.5	14	12	21090
3227-63*	50-63mm	C	5μm	Ø62mm(included)	150mm	114	0.5	17.5	14.5	22832
3227-75*	62-75mm	C	5μm	Ø62mm(included)	150mm	114	0.5	17.5	14.5	24491
3227-88*	75-88mm	C	5μm	Ø87mm(included)	150mm	114	0.5	17.5	14.5	25598
3227-100*	87-100mm	C	5μm	Ø87mm(included)	150mm	114	0.5	17.5	14.5	26621
3227-125*	100-125mm	C	6μm	(optional)	150mm	140	0.9	29	25	29376
3227-150*	125-150mm	C	6μm	(optional)	150mm	140	0.9	29	25	34705



6-100mm: included
100-150mm: optional



included

Set

Code	Range	Micrometers included	Setting ring (included)	Extension rod (included)	Price(₹)
3227-123*	6-12mm	6-8mm, 8-10mm, 10-12mm	Ø6mm, Ø8mm, Ø10mm	100mm	44423
3227-202*	12-20mm	12-16mm, 16-20mm	Ø16mm	150mm	22327
3227-504*	20-50mm	20-25mm, 25-30mm, 30-40mm, 40-50mm	Ø25mm, Ø40mm	150mm	63746
3227-1004*	50-100mm	50-63mm, 62-75mm, 75-88mm, 87-100mm	Ø62mm, Ø87mm	150mm	85282

*Supplied with manufacturer inspection certificate

- Sizes available up to 300mm



3227-504

DIGITAL THREE POINTS INTERNAL MICROMETERS

micrometer stand with clamp (optional)

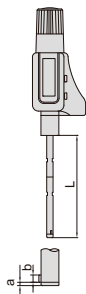


IP54
WATERPROOF

DATA
OUTPUT

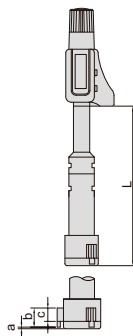
- Meet DIN863-4
- Resolution 0.001mm/0.00005"
- IP54 dust/waterproof
- Buttons: on/off, set, mm/inch, ABS/INC
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Optional accessory: data output cable, (code 7306-30A, 7315-30, 7302-SPC6, 7305-B01, 7305-SPC3A), setting ring (code 6312), micrometer stand and clamp (code 6301 and 6301-2)

3127-12



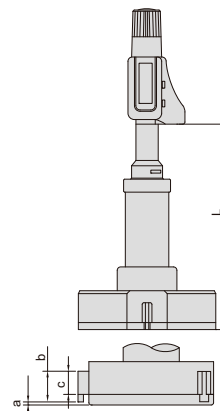
Type A
6-12mm, steel measuring points

3127-40



Type B
12-50mm, carbide measuring points

3127-125



Type C
50-150mm, carbide measuring points

INSPECTION
CERTIFICATE

Individual

(mm)

Code	Range	Type	Accuracy	Setting ring	Extension rod (included)	L	a	b	c	Price(₹)
3127-8 *	6-8mm/0.24-0.31"	A	4µm	Ø6mm(included)	100mm	54.5	1.5	2.5	—	23996
3127-10 *	8-10mm/0.31-0.39"	A	4µm	Ø8mm(included)	100mm	54.5	1.5	2.5	—	23996
3127-12 *	10-12mm/0.39-0.47"	A	4µm	Ø10mm(included)	100mm	54.5	1.5	2.5	—	23996
3127-16 *	12-16mm/0.47-0.63"	B	4µm	Ø16mm(included)	150mm	80	0.5	6	4.5	25848
3127-20 *	16-20mm/0.63-0.79"	B	4µm	Ø16mm(included)	150mm	80	0.5	6	4.5	25848
3127-25 *	20-25mm/0.79-0.98"	B	4µm	Ø25mm(included)	150mm	90	0.5	8	6	26913
3127-30 *	25-30mm/0.98-1.18"	B	4µm	Ø25mm(included)	150mm	90	0.5	8	6	26913
3127-40 *	30-40mm/1.18-1.57"	B	4µm	Ø40mm(included)	150mm	97	0.5	14	12	29735
3127-50 *	40-50mm/1.57-1.97"	B	5µm	Ø40mm(included)	150mm	97	0.5	14	12	29735
3127-63 *	50-63mm/1.97-2.48"	C	5µm	Ø62mm(included)	150mm	114	0.5	17.5	14.5	32130
3127-75 *	62-75mm/2.44-2.95"	C	5µm	Ø62mm(included)	150mm	114	0.5	17.5	14.5	33995
3127-88 *	75-88mm/2.95-3.46"	C	5µm	Ø87mm(included)	150mm	114	0.5	17.5	14.5	35326
3127-100 *	87-100mm/3.43-3.94"	C	5µm	Ø87mm(included)	150mm	114	0.5	17.5	14.5	36736
3127-125 *	100-125mm/3.94-4.92"	C	6µm	(optional)	150mm	140	0.9	29	25	37855
3127-150 *	125-150mm/4.92-5.91"	C	6µm	(optional)	150mm	140	0.9	29	25	43447

setting ring



6-100mm: included
100-150mm: optional

extension rod



included

Set

Code	Range	Micrometers included	Setting ring (included)	Extension rod (included)	Price(₹)
3127-123 *	6-12mm/0.24-0.47"	6-8mm, 8-10mm, 10-12mm	Ø6mm, Ø8mm, Ø10mm	100mm	66707
3127-202 *	12-20mm/0.47-0.79"	12-16mm, 16-20mm	Ø16mm	150mm	47410
3127-504 *	20-50mm/0.79-1.97"	20-25mm, 25-30mm, 30-40mm, 40-50mm	Ø25mm, Ø40mm	150mm	99379
3127-1004 *	50-100mm/1.97-3.94"	50-63mm, 62-75mm, 75-88mm, 87-100mm	Ø62mm, Ø87mm	150mm	117093

*Supplied with manufacturer inspection certificate

- Sizes available up to 300mm



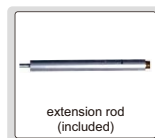
3127-504

DIGITAL WIDE RANGE THREE POINTS INTERNAL MICROMETERS

- Meet DIN863-4
- Resolution 0.001mm/0.00005" (resolution of 3128-300 is 0.001mm/0.0001")
- IP54 dust/waterproof
- Buttons: on/off, set, mm/inch, ABS/INC
- Data output, LR44 battery, automatic power off
- Carbide measuring faces
- Ratchet stop
- Supplied with extension rods
- Setting rings are included (except 200-300mm)
- Optional accessory: data output cable (code 7306-30A, 7315-30, 7302-SPC6, 7305-B01, 7305-SPC3A)



setting ring



extension rod (included)

INSPECTION
CERTIFICATE

IP54
WATERPROOF

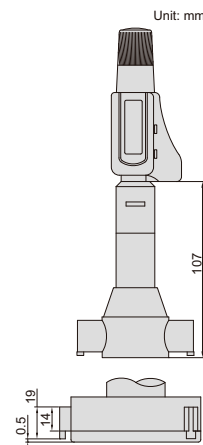
DATA
OUTPUT

Code	Range	Accuracy	Setting ring	Extension rod (included)	Price(₹)
3128-70 *	50-70mm/1.97-2.76"	5µm	Ø50mm(included)	150mm	31555
3128-100 *	70-100mm/2.76-3.94"	5µm	Ø70mm(included)	150mm	44115
3128-150 *	100-150mm/3.94-5.91"	6µm	Ø100mm(included)	150mm	73688
3128-250 *	150-250mm/5.91-9.84"	8µm	Ø150mm(included)	150mm	148505
3128-300 *	200-300mm/7.87-11.81"	9µm	Ø200mm(optional)	150mm	207167

*Supplied with manufacturer inspection certificate

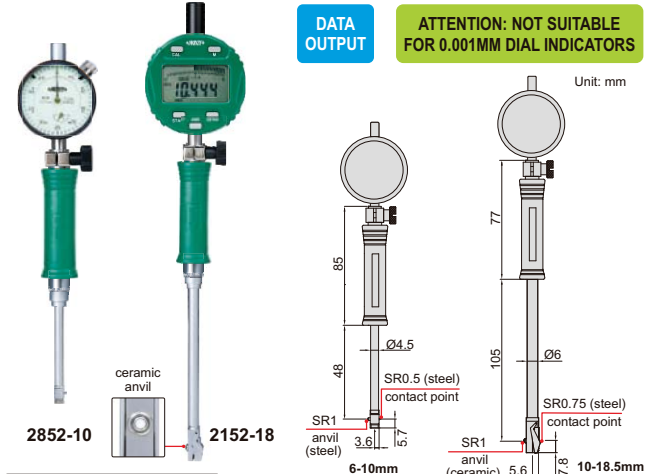


3128-70



Unit: mm

BORE GAGES FOR SMALL HOLES



DATA OUTPUT **ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS**



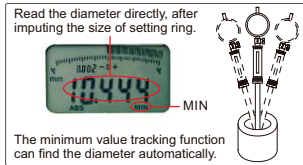
- Accuracy: ±0.012mm
- Repeatability: 0.003mm
- Optional accessory: setting ring (code 6312)

With dial indicator

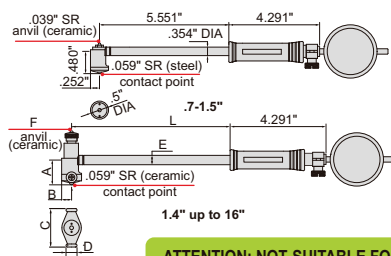
Code	Range	Indicator	Price(₹)
2852-10	6-10mm	dial indicator, range 3mm, graduation 0.01mm (code 2311-3F)	8787
2852-18	10-18.5mm		7926

With digital indicator

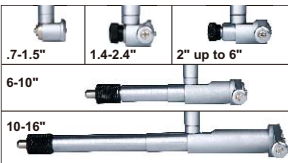
Code	Range	Indicator	Price(₹)
2152-10	6-10mm	digital indicator, range 12.7mm/0.5", resolution 0.002mm/0.0001" (code 2108-10F)	16079
2152-18	10-18.5mm		14612



BORE GAGES (INCH)



ATTENTION: NOT SUITABLE FOR .00005" OR .0001" DIAL INDICATORS



- Optional accessory: setting ring (code 6313), long handle (code 7351)

Range	A	B	C	D	E	F	L
1.4-2.4"	.866"	.354"	1.063"	.512" DIA	.504" DIA	.079" R	5.551"
2-6"	1.024"	.354"	1.378"	.512" DIA	.504" DIA	.079" R	5.551"
6-10"	2.224"	.512"	2.933"	.591" DIA	.504" DIA	.079" R	9.488"
10-16"	3.406"	.591"	3.996"	.591" DIA	.571" DIA	.098" R	9.488"

With dial indicator

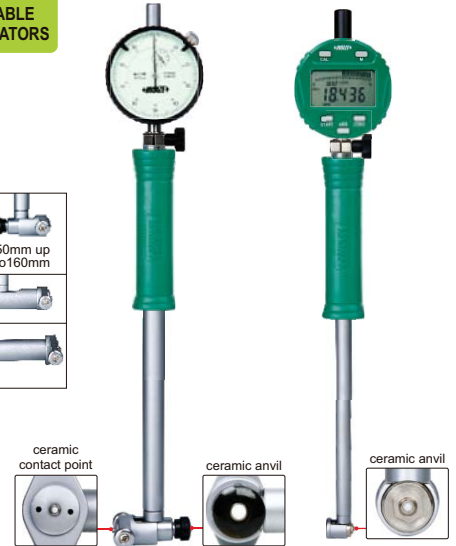
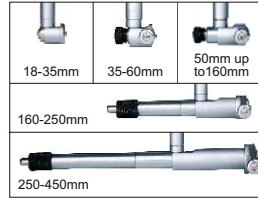
Code	Range	Indicator	Accuracy	Repeatability	Price(₹)
2323-15	.7-1.5"	dial indicator, range .25", graduation .0005"	±.00075"	.00015"	6811
2323-24	1.4-2.4"		±.0009"	.00015"	6646
2323-6	2-6"		±.0009"	.00015"	7008
2323-10	6-10"		±.0009"	.00015"	8888
2323-16	10-16"		±.0009"	.00015"	10087



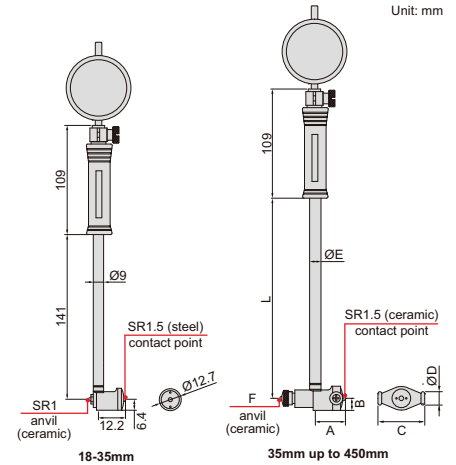
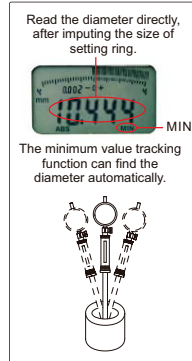
BORE GAGES

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS

DATA OUTPUT



2322-160A 2122-35A



- Repeatability: 0.003mm
- Optional accessory: setting ring (code 6312), long handle (code 7351)

Range	A	B	C	ØD	ØE	F	L
35-60mm	22	9	27	13	12.8	SR2	141
50-100mm	26	9	35	13	12.8	SR2	141
50-160mm	26	9	35	13	12.8	SR2	141
100-160mm	26	9	35	13	12.8	SR2	141
160-250mm	56.5	13	74.5	15	12.8	SR2	241
250-450mm	86.5	15	101.5	15	14.5	SR2.5	241

With dial indicator

Code	Range	Indicator	Accuracy	Price(₹)
2322-35A	18-35mm	dial indicator, range 10mm, graduation 0.01mm (code 2308-10FA)	±0.015mm	6490
2322-60A	35-60mm		±0.018mm	6483
2322-100A	50-100mm		±0.018mm	5980
2322-160A	50-160mm		±0.018mm	6738
2322-161A	100-160mm		±0.018mm	6101
2322-250A	160-250mm		±0.018mm	9308
2322-450A	250-450mm	±0.018mm	9071	

With digital indicator

Code	Range	Indicator	Accuracy	Price(₹)
2122-35A	18-35mm	digital indicator, range 12.7mm/0.5", resolution 0.002mm/0.0001" (code 2108-10F)	±0.015mm	14627
2122-60A	35-60mm		±0.018mm	14703
2122-160A	50-160mm		±0.018mm	14787
2122-250A	160-250mm		±0.018mm	17663
2122-450A	250-450mm		±0.018mm	19112

BORE GAGE SETS

ATTENTION: NOT SUITABLE
FOR 0.001MM DIAL INDICATORS

packaging (code 2824-S3)

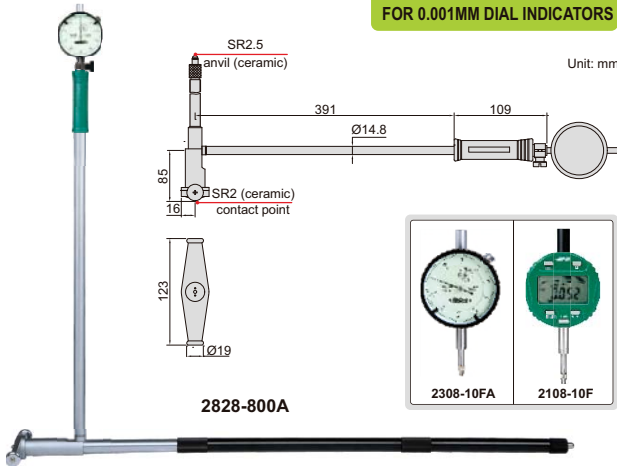


- Repeatability: 0.003mm
- Optional accessory: setting ring (code 6312), long handle (code 7351)

Code	Range	Indicator	Bore gages included	Accuracy	Price(₹)
2824-S160	35-160mm	dial indicator, code 2308-10FA, range 10mm, graduation 0.01mm	① 35-50mm (dial indicator and handle are not included) ② 50-160mm	35-50mm ±0.018mm 50-160mm ±0.018mm	9792
2824-S3	18-160mm	dial indicator, code 2308-10FA, range 10mm, graduation 0.01mm	① 18-35mm ② 35-60mm (dial indicator is not included) ③ 50-160mm (dial indicator is not included)	18-35mm ±0.015mm 35-60mm ±0.018mm 50-160mm ±0.018mm	18518

BORE GAGES

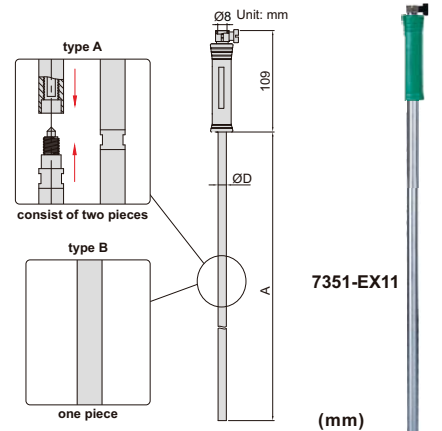
ATTENTION: NOT SUITABLE
FOR 0.001MM DIAL INDICATORS



- Accuracy: ±0.025mm, repeatability: 0.003mm
- Optional accessory: long handle (code 7351)

Code	Range	Indicator	Price(₹)
2828-800A	400-800mm	dial indicator, code 2308-10FA, range 10mm, graduation 0.01mm	12129
2128-800A	400-800mm	digital indicator, code 2108-10F, range 12.7mm/0.5", graduation 0.002mm/0.0001"	16206

LONG HANDLES



- To assist deep-hole measurement
- Can be used for bore gages 2827, 2824, 2322 and 2122

Code	Applicable bore gages	A	ØD	Type	Price(₹)
7351-EX11	35-60mm, 50-100mm,	475	13	B	6481
7351-EX12		980	13		7935
7351-EX13	50-160mm, 100-160mm	1480	14.5	A	9974
7351-EX14		1980	14.5		10666
7351-EX21	160-250mm, 250-450mm	480	14.5	B	6869
7351-EX22		980	14.5		8322
7351-EX23		1480	14.5	A	10666
7351-EX24					1980

ANVIL FOR BORE GAGES

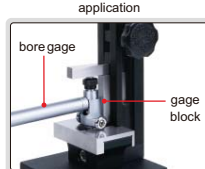


- For 2852, 2152, 2322, 2122, 2824, 2827

Code	Applicable bore gages	Material of measuring face	Quantity per set	Measuring range of anvil (mm)	Price(₹)
7350-10	6-10mm	steel	9pcs	6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10	1407
7350-18	10-18.5mm	ceramic	9pcs	10, 11, 12, 13, 14, 15, 16, 17, 18	1031
7350-35	18-35mm	ceramic	9pcs	18, 20, 22, 24, 26, 28, 30, 32, 34	1007
7350-60	35-60mm	ceramic	6pcs	35, 40, 45, 50, 55, 60	760
7350-160	50-160mm	ceramic	12pcs	50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105	1621
7350-250	160-250mm	ceramic	5pcs	160, 170, 180, 190, 200	1130
7350-450	250-450mm	ceramic	5pcs	250, 260, 270, 280, 290	1130

BORE GAGE SETTERS

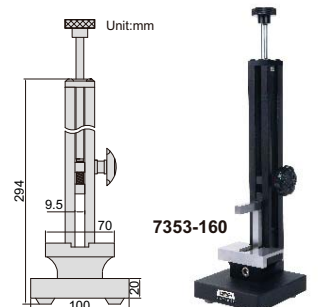
- Vertical and horizontal use
- To be used with gage blocks



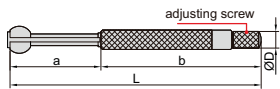
Gage block set for 7353-160

Blocks per set	Size (mm)	Step (mm)	Quantity (pcs)	Remark
33	1.005	0.01	1	grade 2 (ISO3650)
	1.01-1.09		9	
	1.1-1.9		9	
	1-9	1	9	
	10-30	10	3	
	50	1	1	
	100	1	1	

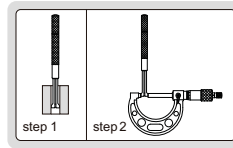
Code	Range	Repeatability	Remark	Price(₹)
7353-160	0-160mm	1.2µm	with gage block set	25690
7353-160W	0-160mm	1.2µm	without gage block set	19745



SMALL HOLE GAGE SET



4208-1

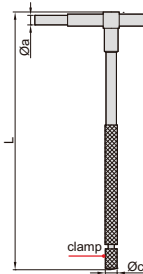
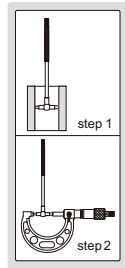


Range	L	a	b	ØD
3-5mm	76mm	24mm	52mm	5mm
5-7.5mm	79mm	27mm	52mm	5mm
7.5-10mm	88mm	30mm	58mm	6mm
10-13mm	91mm	34mm	58mm	6mm

- 4 gages per set
- For small holes, slots and grooves, etc.
- Satin chrome finish

Code	Total range	Gages included	Price (₹)
4208-1	3-13mm	3-5mm, 5-7.5mm, 7.5-10mm, 10-13mm	1096

TELESCOPING GAGE SET



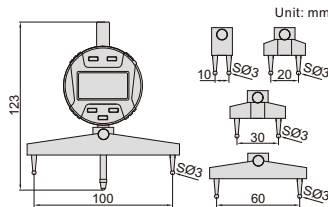
4206-1

- 6 gages per set
- For quick measurement of inside diameter of holes and width of slots
- Satin chrome finish

Range	L	Øa	Øb	Øc
8-12.7mm	115mm	3.9mm	2.9mm	6.2mm
12.7-19mm	115mm	5.3mm	3.8mm	6.2mm
19-32mm	115mm	5.3mm	3.8mm	6.2mm
32-54mm	137mm	7.6mm	6.1mm	7.2mm
54-90mm	137mm	7.6mm	6.1mm	7.2mm
90-150mm	137mm	7.6mm	6.1mm	7.2mm

Code	Total range	Gages included	Price (₹)
4206-1	8-150mm	8-12.7mm, 12.7-19mm, 19-32mm, 32-54mm, 54-90mm, 90-150mm	1651

DIGITAL RADIUS GAGE

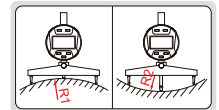


2183

ATTENTION: NO DATA OUTPUT



- Resolution: 0.005mm/0.00005"
- Buttons: on/off, hold, mm/inch, s (select jaws), zero
- Measure radius of internal or external arcs
- Display can be rotated by 320°
- Supplied with 5 jaws for different sizes of arc
- Battery CR2032, automatic power off

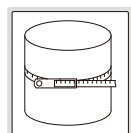


Code	Range of external radius (R1)	Range of internal radius (R2)	Accuracy (mm)	Price (₹)
2183	5-910mm/0.2-35.83"	7-910mm/0.3-35.83"	±0.01R*	17428

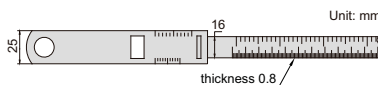
*R is the radius to be measured

CIRCUMFERENCE GAGES

ATTENTION: BASIC MODEL



7114-950



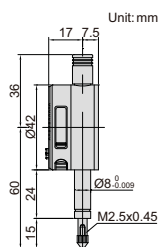
- Graduation: 0.1mm
- Measure diameter and circumference of pipes, trees, tires, etc.
- Laser engraved scale
- Made of stainless steel

Code	Circumference range	Diameter range	Accuracy		Price (₹)
			Circumference	Diameter	
7114-950	150-950mm	Ø50-300mm	±1.5mm	±0.5mm	757
7114-2200	940-2200mm	Ø300-700mm	±1.5mm	±0.5mm	936
7114-3460	2190-3460mm	Ø700-1100mm	±1.5mm	±0.5mm	1273

COMPACT DIGITAL INDICATORS



2114-5F



- Button function:
 - in/mm: short press for inch/metric conversion
 - long press to change measuring direction
 - ABS: short press for absolute/incremental measurement
 - long press to preset data
 - 0/ON: short press to turn on when power is off
 - short press to set zero when power is on
 - long press to turn off

- Keep preset data in memory after restart
- CR1632 battery, automatic power off
- Data output
- Optional accessory: data output cable (code 7306-40, 7315-40, 7302-SPC3A, 7305-C01, 7305-SPC1A), contact points



DATA OUTPUT

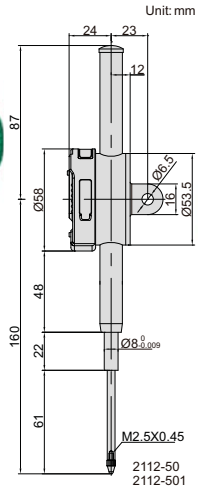
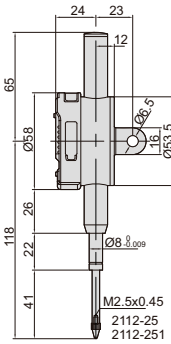
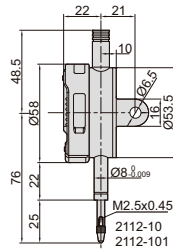
Code	Range	Resolution	Accuracy	Hysteresis	Remark	Price (₹)
2114-5F*	5mm/0.2"	0.01mm/0.0005"	20µm	10µm	flat back	4358
2114-51F*	5mm/0.2"	0.001mm/0.00005"	5µm	2µm	flat back	10492

*Supplied with manufacturer inspection certificate traceable to NIST USA

DIGITAL INDICATORS (STANDARD MODEL)

INSPECTION CERTIFICATE
TRACEABLE TO NIST

DATA OUTPUT



Resolution 0.001mm/0.00005"

Code	Range	Accuracy	Hysteresis	Remark	Price(₹)
2112-101*	12.7mm/0.5"	5µm	2µm	lug back	9511
2112-251*	25.4mm/1"	5µm	3µm	lug back	10903
2112-501*	50.8mm/2"	6µm	3µm	lug back	19168
2112-101F*	12.7mm/0.5"	5µm	2µm	flat back	9424

Resolution 0.01mm/0.0005"

Code	Range	Accuracy	Hysteresis	Remark	Price(₹)
2112-10*	12.7mm/0.5"	20µm	10µm	lug back	3914
2112-25*	25.4mm/1"	20µm	10µm	lug back	5367
2112-50*	50.8mm/2"	30µm	10µm	lug back	12567
2112-10F*	12.7mm/0.5"	20µm	10µm	flat back	3830

*Supplied with manufacturer inspection certificate traceable to NIST USA

spindle lift knob is included

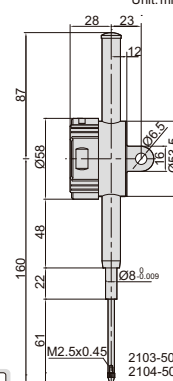
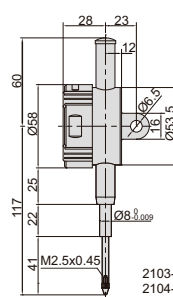
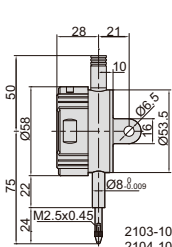


- Button function: on/off, inch/mm, zero
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable (code 7306-40, 7315-40, 7302-SPC3A, 7305-C01, 7305-SPC1A), backs, contact points

DIGITAL INDICATORS (ADVANCED MODEL)

INSPECTION CERTIFICATE
TRACEABLE TO NIST

DATA OUTPUT



- Reading in digital and analog
- Display can be rotated by 320°
- Button function: tolerance Go and No-Go display, data preset, measuring direction change, max./min./TIR measurement, inch/metric conversion, absolute/incremental measurement
- Keep preset data and tolerance data in memory after restart
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable (code 7306-40, 7315-40, 7302-SPC3A, 7305-C01, 7305-SPC1A), backs, contact points

Resolution 0.001mm/0.00005"

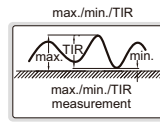
Code	Range	Accuracy	Hysteresis	Remark	Price(₹)
2103-10*	12.7mm/0.5"	5µm	2µm	lug back	12543
2103-25*	25.4mm/1"	5µm	3µm	lug back	13561
2103-50*	50.8mm/2"	6µm	3µm	lug back	21697

Resolution 0.01mm/0.0005"

Code	Range	Accuracy	Hysteresis	Remark	Price(₹)
2104-10*	12.7mm/0.5"	20µm	10µm	lug back	5844
2104-25*	25.4mm/1"	20µm	10µm	lug back	7521

*Supplied with manufacturer inspection certificate traceable to NIST USA

spindle lift knob is included

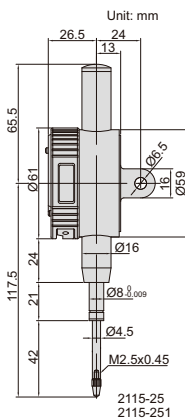
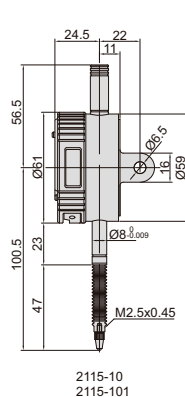


WATERPROOF DIGITAL INDICATORS

WATERPROOF

DATA OUTPUT

INSPECTION CERTIFICATE
TRACEABLE TO NIST



- Dust/waterproof
- With lug back
- Button function: on/off, zero, mm/inch
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable (code 7306-40, 7315-40, 7302-SPC3A, 7305-C01, 7305-SPC1A), backs, contact points

spindle lift knob is included (except 2115-101, 2115-10)



Resolution 0.001mm/0.00005"

Code	Range	Dust/waterproof	Accuracy	Hysteresis	Price(₹)
2115-101*	12.7mm/0.5"	IP65	5µm	2µm	12192
2115-251*	25.4mm/1"	IP54	5µm	3µm	15748

Resolution 0.01mm/0.0005"

Code	Range	Dust/waterproof	Accuracy	Hysteresis	Price(₹)
2115-10*	12.7mm/0.5"	IP65	20µm	10µm	5335
2115-25*	25.4mm/1"	IP54	20µm	10µm	7179

*Supplied with manufacturer inspection certificate traceable to NIST USA

- Sizes available up to 50.8mm

DIGITAL INDICATOR FOR BORE GAGE

Read the diameter directly, after inputting the size of setting ring.

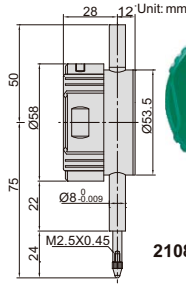
MIN

The minimum value tracking function can find the diameter automatically.



DATA OUTPUT

INSPECTION CERTIFICATE TRACEABLE TO NIST



- Specially designed for bore gages
- The minimum value tracking function can find the diameter automatically
- Read the diameter directly, after inputting the size of setting ring
- Reading in digital and analog
- Display can be rotated by 320°
- Button function: minimum value tracking, calibration, data preset, inch/metric conversion, absolute/incremental measurement
- Keep preset data in memory after restart
- CR2032 battery, automatic power off, data output
- Optional accessory: data output cable (code 7306-40, 7315-40, 7302-SPC3A, 7305-C01, 7305-SPC1A), backs, contact points



Code	Range	Resolution	Accuracy	Hysteresis	Remark	Price(₹)
2108-10F*	12.7mm/0.5"	0.002mm/0.0001"	20µm	10µm	flat back	7723

*Supplied with manufacturer inspection certificate traceable to NIST USA

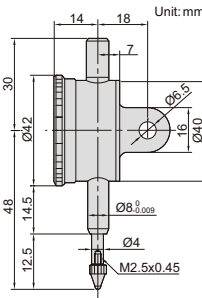
COMPACT DIAL INDICATOR

INSPECTION CERTIFICATE TRACEABLE TO NIST



JEWELLED BEARING

2311-5



- Graduation: 0.01mm
- Meet DIN878
- Jeweled bearing
- With lug back
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points

Code	Range	Accuracy	Hysteresis	Range/rev	Dial reading	Price(₹)
2311-5*	5mm	14µm	3µm	0.5mm	0-50	2130

*Supplied with manufacturer inspection certificate traceable to NIST USA

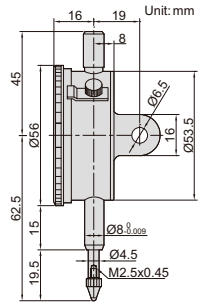
PRECISION DIAL INDICATOR

INSPECTION CERTIFICATE TRACEABLE TO NIST



JEWELLED BEARING

2313-1A



- Graduation: 0.001mm
- Jeweled bearing
- With lug back
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points

Code	Range	Accuracy	Hysteresis	Range/rev	Dial reading	Price(₹)
2313-1A*	1mm	5µm	2µm	0.2mm	0-100-0	4493

*Supplied with manufacturer inspection certificate traceable to NIST USA
- Sizes available up to 2mm

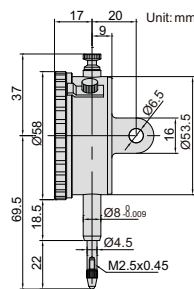
DIAL INDICATOR (PROMOTION MODEL)

carton box



2301-10

INSPECTION CERTIFICATE TRACEABLE TO NIST



- Range: 10mm
- Graduation: 0.01mm
- Dial reading: 0-100
- Meet DIN878
- Jeweled bearing
- Supplied with limit hands and bezel clamp
- Packed in carton box
- Optional accessory: backs, contact points

Code	Accuracy	Hysteresis	Range/rev	Remark	Price(₹)
2301-10*	17µm	3µm	1mm	lug back with spare flat back	1377

*Supplied with manufacturer inspection certificate traceable to NIST USA

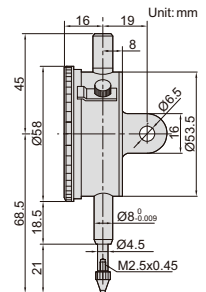
DIAL INDICATORS (STANDARD MODEL)

INSPECTION CERTIFICATE TRACEABLE TO NIST



JEWELLED BEARING

2308-10A



- Graduation: 0.01mm
- Dial reading: 0-100
- Meet DIN878
- Jeweled bearing
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points

Code	Range	Accuracy	Hysteresis	Range/rev	Remark	Price(₹)
2308-10A*	10mm	17µm	3µm	1mm	lug back	1448
2308-10FA*	10mm	17µm	3µm	1mm	flatback	1493

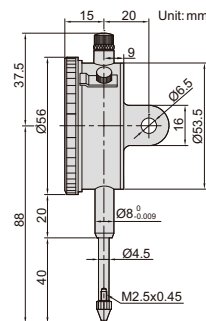
*Supplied with manufacturer inspection certificate traceable to NIST USA

DIAL INDICATOR (LONG STROKE)

INSPECTION CERTIFICATE TRACEABLE TO NIST



2310-30A



- Graduation: 0.01mm
- Dial reading: 0-100
- With lug back
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points

Code	Range	Accuracy	Hysteresis	Range/rev	Price(₹)
2310-30A*	30mm	35µm	7µm	1mm	3579

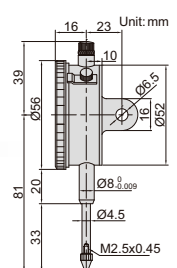
*Supplied with manufacturer inspection certificate traceable to NIST USA

DIAL INDICATOR (PROMOTION MODEL)

INSPECTION CERTIFICATE TRACEABLE TO NIST



2302-25



- Range: 25mm
- Graduation: 0.01mm
- Dial reading: 0-100
- Supplied with limit pointers and bezel clamp
- Packed in carton box
- Optional accessory: backs, contact points

Code	Accuracy	Hysteresis	Range/rev	Remark	Price(₹)
2302-25*	35µm	7µm	1mm	lug back with spare flat back	2622

*Supplied with manufacturer inspection certificate traceable to NIST USA

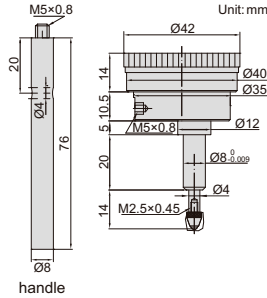
BACK PLUNGER TYPE DIAL INDICATOR



2357-5



handle (included)



INSPECTION
CERTIFICATE
TRACEABLE TO NIST

Unit: mm

- Graduation: 0.01mm
- Dial reading: 0-100
- Supplied with handle
- With limit pointers
- Optional accessory: contact points

Code	Range	Accuracy	Hysteresis	Range/rev	Price(₹)
2357-5*	5mm	15µm	5µm	1mm	4720

*Supplied with manufacturer inspection certificate traceable to NIST USA

ONE REVOLUTION DIAL INDICATORS

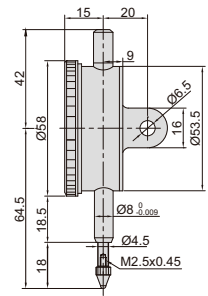
SHOCK
PROOF

INSPECTION
CERTIFICATE
TRACEABLE TO NIST

Unit: mm



2316-05



- Meet DIN878
- Graduation: 0.01mm
- Eliminate the possibility of reading errors due to miscounting
- Shockproof
- Supplied with limit pointers
- Optional accessory: backs, contact points

Code	Range	Accuracy	Hysteresis	Dial reading	Remark	Price(₹)
2316-05F*	0.5mm	9µm	3µm	25-0-25	flat back	3019
2316-1F*	1mm	9µm	3µm	50-0-50	flat back	3086
2316-05*	0.5mm	9µm	3µm	25-0-25	lug back	3023
2316-1*	1mm	9µm	3µm	50-0-50	lug back	3089

*Supplied with manufacturer inspection certificate traceable to NIST USA

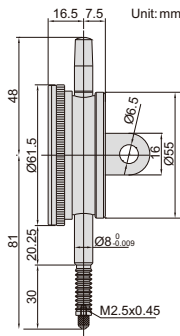
WATERPROOF DIAL INDICATORS

IP54
WATERPROOF

INSPECTION
CERTIFICATE
TRACEABLE TO NIST



2324-10A



Unit: mm

- Graduation: 0.01mm
- Dial reading: 0-100
- Meet DIN878
- IP54 dust/waterproof
- With limit pointers
- Optional accessory: back, contact points

Code	Range	Accuracy	Hysteresis	Range/rev	Remark	Price(₹)
2324-10A*	10mm	17µm	3µm	1mm	lug back	3035
2324-10FA*	10mm	17µm	3µm	1mm	flat back	3019

*Supplied with manufacturer inspection certificate traceable to NIST USA

DIAL INDICATOR (LONG STROKE)

INSPECTION
CERTIFICATE
TRACEABLE TO NIST

JEWELLED
BEARING

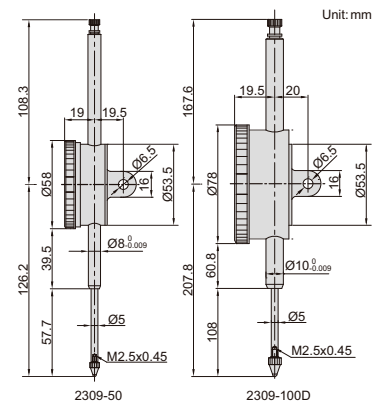
SHOCK
PROOF



2309-50



stem clamp Ø10mm of 2309-100D back of 2309-100D



Unit: mm

- Graduation: 0.01mm
- Range/rev: 1mm
- Dial reading: 0-100
- Shockproof
- Jeweled bearing
- Supplied with limit pointers
- Flat back with spare lug back
- Optional accessory: backs, contact points

Code	Range	Accuracy	Hysteresis	Price(₹)
2309-50*	50mm	40µm	8µm	6681
2309-100D	100mm	50µm	9µm	17191

*Supplied with manufacturer inspection certificate traceable to NIST USA

Note: 1) 2309-100D can only be used vertically
2) 2309-100D is supplied with stem clamp Ø10mm for magnetic stands (code 6200-60, 6201-60, 6202-80, 6202-100)

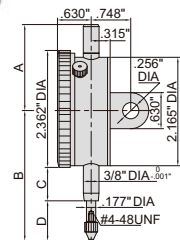
DIAL INDICATORS (INCH)

INSPECTION
CERTIFICATE
TRACEABLE TO NIST



2307-1

Range	A	B	C	D
.5"	1.811"	2.953"	.787"	.984"
1"	1.811"	3.346"	.787"	1.378"
2"	4.370"	5.472"	1.969"	2.323"



- Meet ASME B89.1.10M-2001
- With lug back
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points

Code	Range	Graduation	Accuracy		Range /rev	Dial reading	Price(₹)
			First 2.5 rev	Overall			
2307-05*	.5"	.001"	±.001"	±.002"	.1"	0-100	1392
2307-1*	1"	.001"	±.001"	±.002"	.1"	0-100	1326
2307-2*	2"	.001"	±.001"	±.004"	.1"	0-100	3096

*Supplied with manufacturer inspection certificate traceable to NIST USA

EXTENSION RODS



6282-2001 (mm)

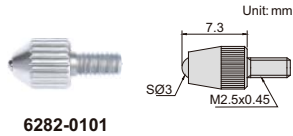
Code	Material	L	Price(₹)
6282-2001	steel	10	128
6282-2003	steel	20	149
6282-2005	steel	30	161

Code	Material	L	Price(₹)
6282-2009	steel	50	177
6282-2017	steel	100	273

CONTACT POINTS

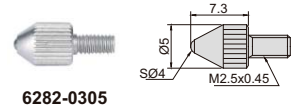
BALL POINT

Code	Material of measuring face	Price (₹)
6282-0101	carbide	215



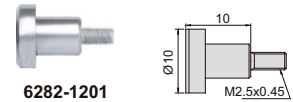
BALL POINT

Code	Material of measuring face	Price (₹)
6282-0305	carbide	201



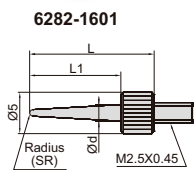
FLAT POINT

Code	Material of measuring face	Price (₹)
6282-1201	steel	928



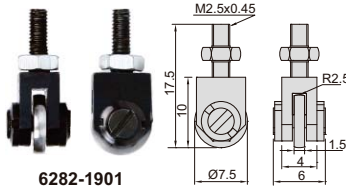
NEEDLE POINTS

Code	Material of measuring face	L1	L	SR	Ød	Price (₹)
6282-1601	steel	11	15	0.4	2	328
6282-1602	steel	13	17	0.2	2	350
6282-1604	steel	31	35	0.4	3	550



ROLLER POINT

Code	Material of measuring face	Price (₹)
6282-1901	steel	4287

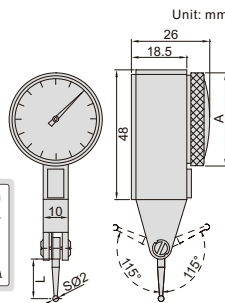
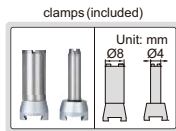


DIAL TEST INDICATORS



2380-08

- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli



Graduation: 0.01mm

(mm)

Code	Range	Accuracy	Hysteresis	Dial reading	A	L	Price(₹)
2380-08*	0.8mm	13µm	3µm	0-40-0	Ø30	13.5	2618
2381-08*	0.8mm	13µm	3µm	0-40-0	Ø37	13.5	2862

Graduation: 0.002mm

(mm)

Code	Range	Accuracy	Hysteresis	Dial reading	A	L	Price(₹)
2380-02*	0.2mm	6µm	2µm	0-100-0	Ø30	12.5	4720
2381-02*	0.2mm	6µm	2µm	0-100-0	Ø37	12.5	4915

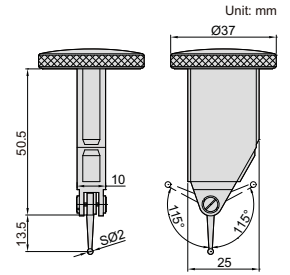
Code	Graduation	Range	Accuracy	Dial reading	A	L	Price(₹)
2380-31*	.001"	.03"	±.001"	0-15-0	1.181" DIA	.50"	3117
2380-35*	.0005"	.03"	±.0005"	0-15-0	1.181" DIA	.50"	3651

*Supplied with manufacturer inspection certificate traceable to NIST USA

BACK PLUNGER TYPE DIAL TEST INDICATOR

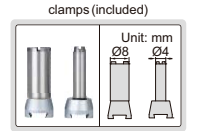


2398-08



JEWELLED BEARING

- Meet DIN2270
- Graduation: 0.01mm
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli



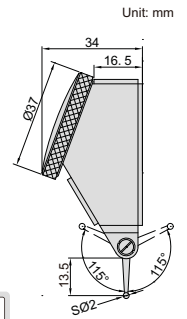
Code	Range	Accuracy	Hysteresis	Dial reading	Price(₹)
2398-08*	0.8mm	13µm	3µm	0-40-0	3949

*Supplied with manufacturer inspection certificate traceable to NIST USA

TILTED FACE TYPE DIAL TEST INDICATOR

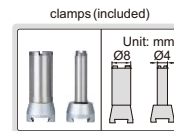


2399-08



JEWELLED BEARING

- Meet DIN2270
- Graduation: 0.01mm
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli



Code	Range	Accuracy	Hysteresis	Dial reading	Price(₹)
2399-08*	0.8mm	13µm	3µm	0-40-0	3949

*Supplied with manufacturer inspection certificate traceable to NIST USA

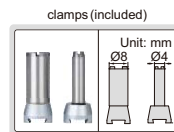
LONG STYLI DIAL TEST INDICATOR



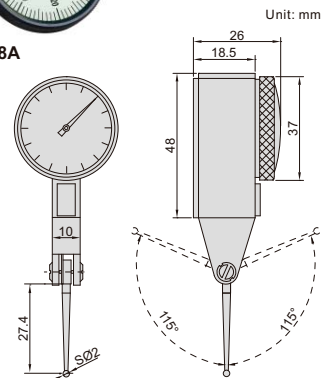
JEWELLED BEARING



2383-08A



- Meet DIN2270
- Graduation: 0.01mm
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli



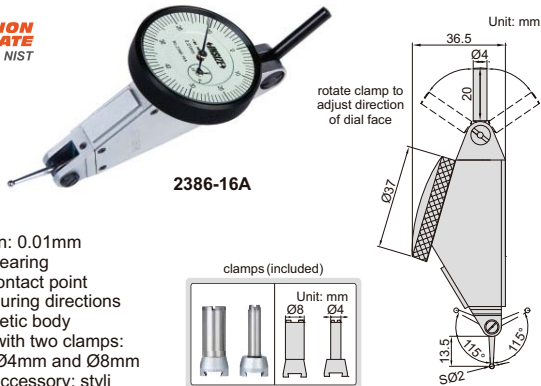
Code	Range	Accuracy	Hysteresis	Dial reading	Price(₹)
2383-08A*	0.8mm	13µm	3µm	0-40-0	5294

*Supplied with manufacturer inspection certificate traceable to NIST USA

LARGE RANGE DIAL TEST INDICATOR

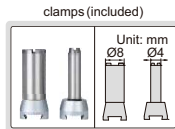
INSPECTION CERTIFICATE
TRACEABLE TO NIST

JEWELLED BEARING



2386-16A

- Graduation: 0.01mm
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli



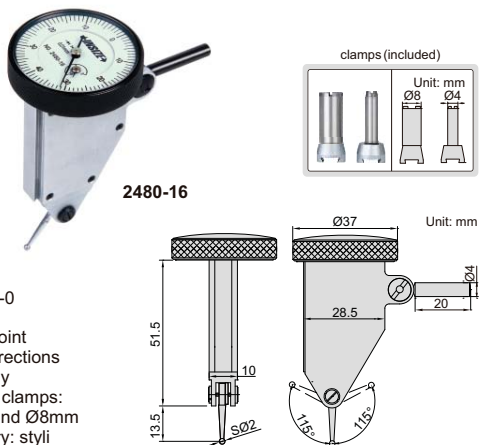
Code	Range	Accuracy	Hysteresis	Dial reading	Price(₹)
2386-16A*	1.6mm	25µm	8µm	0-40-0	6285

*Supplied with manufacturer inspection certificate traceable to NIST USA

LARGE RANGE BACK PLUNGER TYPE DIAL TEST INDICATOR

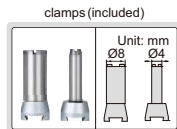
INSPECTION CERTIFICATE
TRACEABLE TO NIST

JEWELLED BEARING



2480-16

- Dial reading: 0-40-0
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli



Code	Range	Graduation	Accuracy	Hysteresis	Price(₹)
2480-16*	1.6mm	0.01mm	18µm	3µm	7079

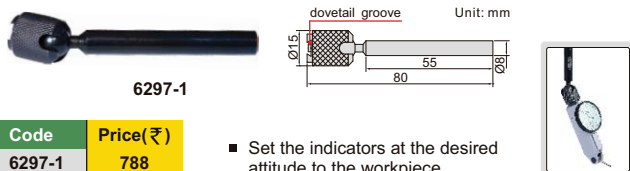
*Supplied with manufacturer inspection certificate traceable to NIST USA

CLAMPS FOR DIAL TEST INDICATORS

Code	ØD	Price(₹)
6298-1	Ø4mm	246
6298-2	Ø8mm	268



DIAL TEST INDICATOR UNIVERSAL HOLDER

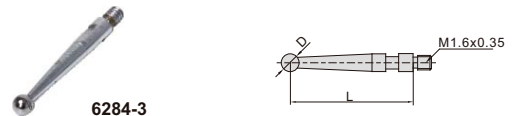


6297-1

Code	Price(₹)
6297-1	788

- Set the indicators at the desired attitude to the workpiece

STYLI FOR DIAL TEST INDICATORS



6284-3

Code	For dial test indicator	Material of contact point	L	D	Price(₹)
6284-1	2380-08,	steel	13.5	SØ1	231
6284-3	2398-08,	carbide	13.5	SØ2	321
6284-4	2381-08,	ruby	13.5	SØ2	341
6284-8	2399-08	carbide	13.5	SØ3	366
6284-21	2380-02	steel	12.5	SØ1	256
6284-22		carbide	12.5	SØ2	320
6284-23	2381-02	carbide	12.5	SØ3	320
6284-44	2880-02	carbide	11.7	SØ0.4	4490
6284-41		2880-02R	carbide	11.7	SØ1
6284-42	2895-08	carbide	11.7	SØ2	1263
6284-45	2897-02	ruby	11.7	SØ2	2765
6284-43	2898-08	carbide	11.7	SØ3	1962
6284-51	2896-05	carbide	34.6	SØ1	1962
6284-52		carbide	34.6	SØ2	1962
6284-55	2899-05	ruby	34.6	SØ2	2765
6284-53	2899-05	carbide	34.6	SØ3	1962
6284-61		steel	13.5	SØ1	258
6284-62	2386-16A	carbide	13.5	SØ2	258
6284-63		ruby	13.5	SØ2	365
6284-64		carbide	13.5	SØ3	365
6284-71	2391-08	carbide	10.8	SØ2	313
6284-81	2383-08A	steel	27.4	SØ1	233
6284-82		carbide	27.4	SØ2	233
6284-83		ruby	27.4	SØ2	341
6284-84		carbide	27.4	SØ3	341

DIAL TEST INDICATOR HOLDER

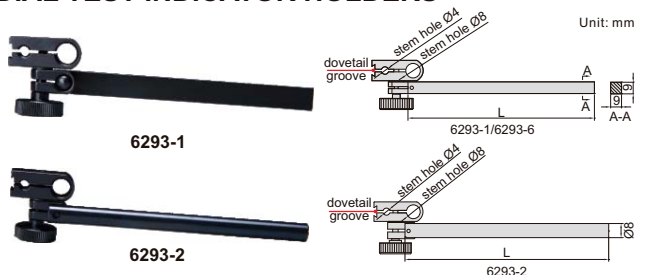


6296-1

- Supplied with fixing spanner

Code	Price(₹)
6296-1	893

DIAL TEST INDICATOR HOLDERS



6293-1

6293-2

Code	Stem section	Stem length (L)	Price(₹)
6293-1	9x9mm	100mm	687
6293-6	9x9mm	50mm	806
6293-2	Ø8mm	115mm	788

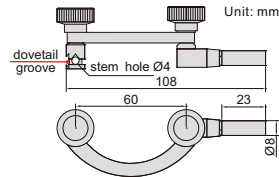
DIAL TEST INDICATOR CENTERING HOLDER

Code	Price(₹)
6291-1	771

- Center cylinders or holes on machine tools



6291-1

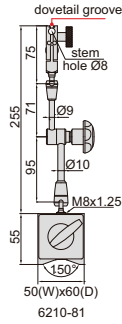


UNIVERSAL MAGNETIC STANDS

- For digital/dial indicators and dial test indicators



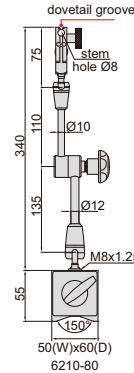
6210-81



6210-81



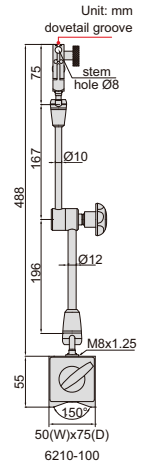
6210-80



6210-80



6210-100



6210-100

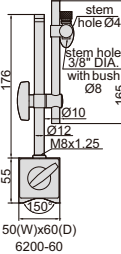
Code	Magnetic force	Applicable holding stem	Remark	Price(₹)
6210-81	80kgf	Ø8mm	with fine adjustment and dovetail groove	4652
6210-80	80kgf	Ø8mm	with fine adjustment and dovetail groove	4797
6210-100	100kgf	Ø8mm	with fine adjustment and dovetail groove	7268

MAGNETIC STANDS

- For digital/dial indicators and dial test indicators



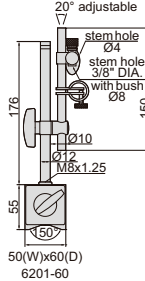
6200-60



6200-60



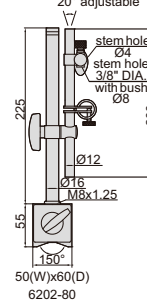
6201-60



6201-60



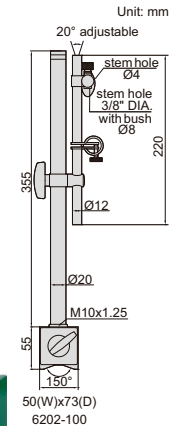
6202-80



6202-80



6202-100



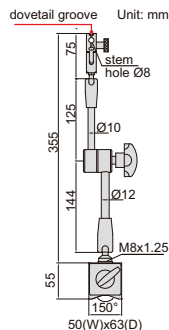
6202-100

Code	Magnetic force	Applicable holding stem	Remark	Price(₹)
6200-60	60kgf	Ø8mm, Ø4mm, 3/8" DIA.	without fine adjustment	1086
6201-60	60kgf	Ø8mm, Ø4mm, 3/8" DIA.	with fine adjustment	1006
6202-80	80kgf	Ø8mm, Ø4mm, 3/8" DIA.	with fine adjustment	1964
6202-100	100kgf	Ø8mm, Ø4mm, 3/8" DIA.	with fine adjustment	2801

UNIVERSAL MAGNETIC STAND (LIGHT DUTY)

ATTENTION: LOW LOCKING FORCE

- Magnetic force: 80kgf
- Applicable holding stem: Ø8mm
- For digital/dial indicators and dial test indicators



6208-80A

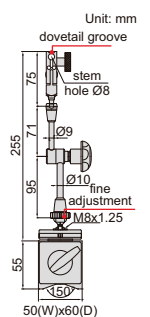
Code	Remark	Price(₹)
6208-80A	with fine adjustment and dovetail groove	2554

MAGNETIC STAND WITH DOUBLE FINE ADJUSTMENT

- Applicable holding stem: Ø8mm
- Magnetic force: 80kgf
- With double fine adjustments on the head and on the base
- For digital/dial indicators and dial test indicators



6272-80



6272-80

Code	Remark	Price(₹)
6272-80	with double fine adjustment and dovetail groove	4937

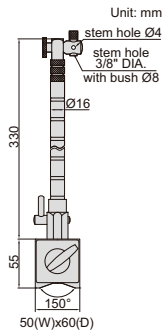
FLEX ARM MAGNETIC STAND

ATTENTION: FOR DIAL TEST INDICATORS ONLY

- For dial test indicators



6207-80A



Code	Magnetic force	Applicable holding stem	Price(₹)
6207-80A	80kgf	Ø8mm, Ø4mm, 3/8" DIA.	2136

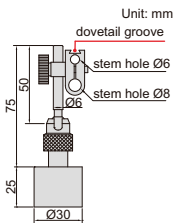
MINI MAGNETIC STAND

ATTENTION: FOR DIAL TEST INDICATORS ONLY

- For dial test indicators
- With dovetail groove



6211-10



Code	Magnetic force	Applicable holding stem	Price(₹)
6211-10	10kgf	Ø6mm, Ø8mm	1912

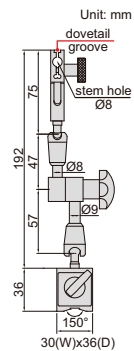
MINI MAGNETIC STAND

ATTENTION: FOR DIAL TEST INDICATORS ONLY

- Magnetic force: 40kgf
- For dial test indicators
- With fine adjustment and dovetail groove



6224-40



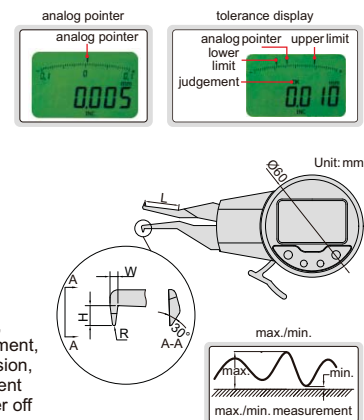
Code	Applicable holding stem	Price(₹)
6224-40	Ø8mm	4448

DIGITAL INTERNAL CALIPER GAGES



2121-15

- Repeatability: 0.01mm
- Reading in digit and analog
- Display can be rotated by 170°
- Button function: tolerance Go and No-Go display, data preset, max./min. measurement, absolute/incremental measurement
- CR2032 battery, automatic power off
- Data output



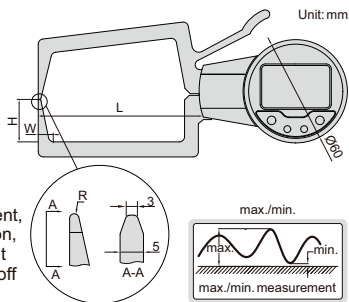
Code	Range	Accuracy	L	H	W	R	Price(₹)
2121-15	5-15mm/0.2-0.6"	±0.03mm	20	2	1.5	R0.3	10389
2121-25	5-25mm/0.2-1.0"	±0.03mm	35	1.5	1.0	R0.3	11257
2121-31	10-30mm/0.4-1.2"	±0.03mm	55	5.5	2.5	R0.5	12415
2121-41	20-40mm/0.8-1.6"	±0.03mm	80	6.0	3.0	R0.5	12415
2121-51	30-50mm/1.2-2.0"	±0.03mm	80	8.0	3.0	R0.5	12415
2121-61	40-60mm/1.6-2.4"	±0.03mm	80	8.0	3.0	R0.5	12937

DIGITAL EXTERNAL CALIPER GAGES



2131-21

- Repeatability: 0.01mm
- Reading in digit and analog
- Display can be rotated by 170°
- Button function: tolerance Go and No-Go display, data preset, max./min. measurement, data holding, inch/metric conversion, absolute/incremental measurement
- CR2032 battery, automatic power off
- Data output



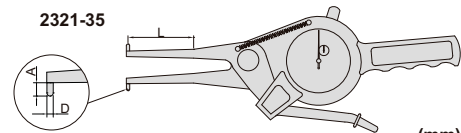
Code	Range	Accuracy	L	H	W	R	Price(₹)
2131-21	0-20mm/0-0.8"	±0.03mm	80	25	6.5	R0.5	11257
2131-31	10-30mm/0.4-1.2"	±0.03mm	80	25	6.5	R0.5	12415
2131-41	20-40mm/0.8-1.6"	±0.03mm	80	25	6.5	R0.5	12415
2131-51	30-50mm/1.2-2.0"	±0.03mm	80	25	6.5	R0.5	12415
2131-61	40-60mm/1.6-2.4"	±0.03mm	80	25	6.5	R0.5	12937

INTERNAL DIAL CALIPER GAGES



2321-35

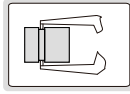
- Carbide measuring tips



Code	Range	Graduation	Accuracy	L	A	D	Price(₹)
2321-35	15-35mm	0.01mm	±0.04mm	50	3	Ø3	7969
2321-AL35	15-35mm	0.01mm	±0.04mm	200	3	Ø3	20941
2321-55	35-55mm	0.01mm	±0.04mm	80	6	Ø3	7969
2321-AL55	35-55mm	0.01mm	±0.04mm	250	8	Ø3	20941
2321-75	55-75mm	0.01mm	±0.04mm	90	8	Ø3	8143
2321-AL75	55-75mm	0.01mm	±0.04mm	250	8	Ø3	20941
2321-95	75-95mm	0.01mm	±0.04mm	100	8	Ø3	8317

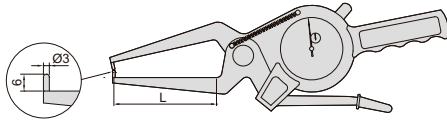
Sizes available up to 135mm

EXTERNAL DIAL CALIPER GAGES



2332-20

Unit: mm



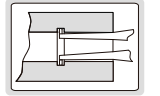
- Carbide measuring tips

Code	Range	Graduation	Accuracy	L(mm)	Price(₹)
2332-20	0-20mm	0.01mm	±0.04mm	60	7969
2332-40	20-40mm	0.01mm	±0.04mm	60	7969
2332-60	40-60mm	0.01mm	±0.04mm	55	7969

Sizes available up to 100mm

DIGITAL INTERNAL CALIPER GAGE

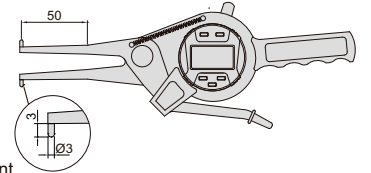
DATA OUTPUT



2151-35

Unit: mm

- Carbide measuring tips
- Reading in digit and analog
- Display can be rotated by 320°
- Button function: tolerance Go and No-Go display, data preset, measuring direction change, max./min./TIR measurement, inch/metric conversion, absolute/incremental measurement
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable (code 7306-40, 7315-40, 7302-SPC3A, 7305-C01, 7305-SPC1A)



Code	Range	Resolution	Accuracy	Price(₹)
2151-35	15-35mm/0.6-1.4"	0.01mm/0.0005"	±0.04mm	11616

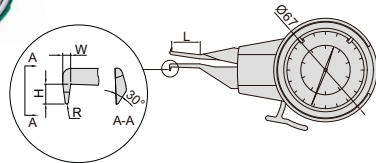
Sizes available up to 135mm

INTERNAL DIAL CALIPER GAGES



2222-15

Unit: mm



(mm)

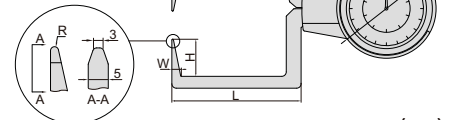
Code	Range	Graduation	Accuracy	L	H	W	R	Price(₹)
2222-15	5-15mm	0.01mm	±0.03mm	20	2	1.5	R0.3	9948
2222-25	5-25mm	0.01mm	±0.03mm	35	1.5	1.0	R0.3	10789
2222-301	10-30mm	0.01mm	±0.03mm	55	5.5	2.5	R0.5	11910
2222-401	20-40mm	0.01mm	±0.03mm	80	6.0	3.0	R0.5	11910
2222-501	30-50mm	0.01mm	±0.03mm	80	8.0	3.0	R0.5	11910
2222-60	40-60mm	0.01mm	±0.03mm	80	8.0	3.0	R0.5	12410

EXTERNAL DIAL CALIPER GAGES



Unit: mm

2333-201



(mm)

Code	Range	Graduation	Accuracy	L	H	W	R	Price(₹)
2333-201	0-20mm	0.01mm	±0.03mm	80	25	6.5	R0.5	10789
2333-301	10-30mm	0.01mm	±0.03mm	80	25	6.5	R0.5	11910
2333-401	20-40mm	0.01mm	±0.03mm	80	25	6.5	R0.5	11910
2333-501	30-50mm	0.01mm	±0.03mm	80	25	6.5	R0.5	11910
2333-601	40-60mm	0.01mm	±0.03mm	80	25	6.5	R0.5	12410

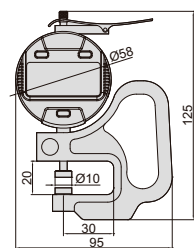
DIGITAL THICKNESS GAGES

DATA OUTPUT



2871-101

Unit: mm



- Ceramic spindle tip and anvil
- Buttons: on/off, zero, mm/inch
- Battery CR2032, automatic power off
- Data output
- Optional accessory: data output cable (code 7306-40, 7315-40, 7302-SPC3A, 7305-C01, 7305-SPC1A)

Code	Range	Resolution	Accuracy	Price(₹)
2871-10	0-10mm/0-0.4"	0.01mm/0.0005"	±0.02mm	5761
2871-101	0-10mm/0-0.4"	0.001mm/0.00005"	±0.005mm	12491

THICKNESS GAGES

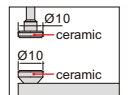
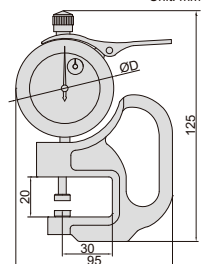
Unit: mm



2364-10



2364-1

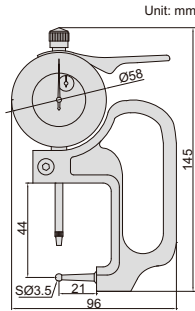


Code	Range	Graduation	Accuracy	ØD	Price(₹)
2364-10	0-10mm	0.01mm	±0.02mm	58mm	3338
2364-1	0-1mm	0.001mm	±0.005mm	56mm	6204

TUBE THICKNESS GAGE

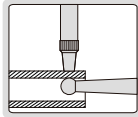


2367-10A



- Measure tube wall thickness

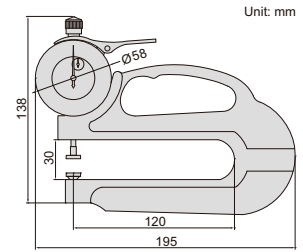
Code	Range	Graduation	Accuracy	Price(₹)
2367-10A	0-10mm	0.01mm	±0.02mm	7600



THICKNESS GAGE

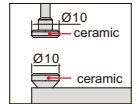


2365-10



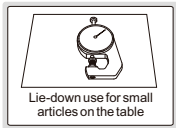
Code	Range	Graduation	Accuracy	Price(₹)
2365-10	0-10mm	0.01mm	±0.02mm	5393

Sizes available up to 20mm



THICKNESS GAGE

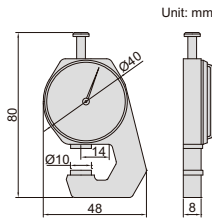
SUITABLE FOR JEWELLERY



Lie-down use for small articles on the table



2361-10

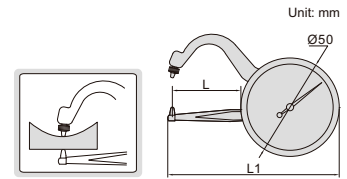


Code	Range	Graduation	Accuracy	Price(₹)
2361-10	0-10mm	0.1mm	±0.05mm	2025

THICKNESS GAGES



2862-101

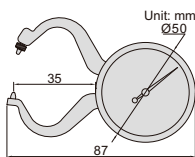


Code	Range	Graduation	Accuracy	L	L1	Price(₹)
2862-101	0-10mm	0.05mm	±0.1mm	35	85	2905
2862-102	0-10mm	0.05mm	±0.1mm	60	110	3347

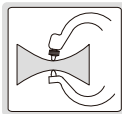
THICKNESS GAGE



2863-10



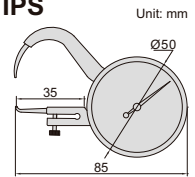
Code	Range	Graduation	Accuracy	Price(₹)
2863-10	0-10mm	0.05mm	±0.1mm	2905



THICKNESS GAGE WITH POINTED TIPS

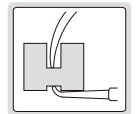


2866-10



- Pointed tips fit into small grooves and recesses

Code	Range	Graduation	Accuracy	Price(₹)
2866-10	0-10mm	0.05mm	±0.1mm	3858

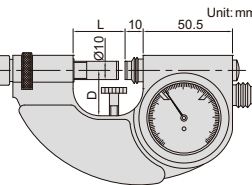


DIAL SNAP GAGES

- Go/No-Go judgement for mass production
- Dial indicator: range ±0.04mm, graduation 0.001mm, accuracy 0.001mm
- IP54 dust/waterproof
- Measuring force: 5-10N
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)



3334-25



IP54 WATERPROOF

ATTENTION: BASIC MODEL

Code	Range	L	D	Price(₹)
3334-25	0-25mm	28.5	25	23376
3334-50	25-50mm	53.5	35	25684
3334-75	50-75mm	78.5	47.5	28513
3334-100	75-100mm	103.5	60	30613

SAW TEETH SETTING GAGE

INSIZE PLUS
MADE IN GERMANY

- Supplied with limit pointer
- Read from both sides

Code	Range	Graduation	Accuracy	Price(₹)
2874-02	0-2mm	0.05mm	±0.05mm	10071

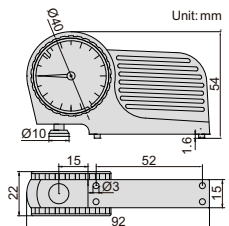


front



back

2874-02



STEP AND GAP GAGE



DATA OUTPUT

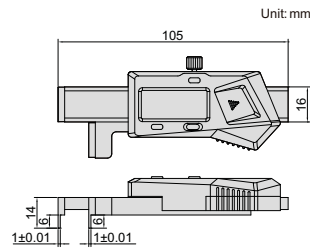


front

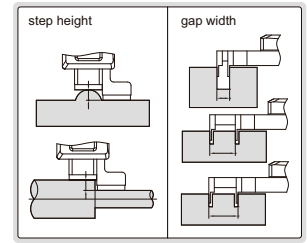
2168-12



back



Unit: mm



- Measure step height and gap width
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, data output
- Made of stainless steel
- Supplied with zero setting block
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)

zero setting block (included)



Code	Range	Resolution	Accuracy	Price(₹)
2168-12	0-12.7mm/0-0.5"	0.01mm/0.0005"	±0.03mm	11368

INDIVIDUAL STEEL GAGE BLOCKS



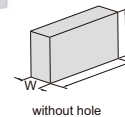
CUSTOM SIZES
CAN SUPPLY ANY SIZES FROM 0.5~1000MM,
SUCH AS 72.672MM



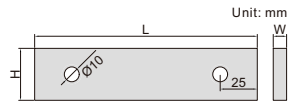
4101-A70



4101-A200



without hole



with hole

Dimension:

Size (L)	W	H
0.5 ≤ L ≤ 10mm	9mm	30mm
L > 10mm	9mm	35mm

- Made of alloy steel
- Meet ISO3650
- These sizes are with holes: 125, 150, 175, 200, 250, 300, 400, 500, 600, 700, 800, 900, 1000mm
- Supplied with manufacturer inspection certificate

Grade 1

Code	Size	Price(₹)
4101-BD5	0.5mm	1104
4101-B1	1mm	740
4101-B1D001	1.001mm	869
4101-B1D002	1.002mm	869
4101-B1D003	1.003mm	869
4101-B1D004	1.004mm	869
4101-B1D005	1.005mm	869
4101-B1D006	1.006mm	869
4101-B1D007	1.007mm	869
4101-B1D008	1.008mm	869
4101-B1D009	1.009mm	869
4101-B1D01	1.01mm	869
4101-B1D02	1.02mm	869
4101-B1D03	1.03mm	869
4101-B1D04	1.04mm	869
4101-B1D05	1.05mm	869
4101-B1D06	1.06mm	869
4101-B1D07	1.07mm	869
4101-B1D08	1.08mm	869
4101-B1D09	1.09mm	869
4101-B1D1	1.1mm	869
4101-B1D11	1.11mm	869
4101-B1D12	1.12mm	869
4101-B1D13	1.13mm	869
4101-B1D14	1.14mm	869
4101-B1D15	1.15mm	869
4101-B1D16	1.16mm	869
4101-B1D17	1.17mm	869
4101-B1D18	1.18mm	869
4101-B1D19	1.19mm	869

Grade 1

Code	Size	Price(₹)
4101-B1D2	1.2mm	869
4101-B1D21	1.21mm	869
4101-B1D22	1.22mm	869
4101-B1D23	1.23mm	869
4101-B1D24	1.24mm	869
4101-B1D25	1.25mm	869
4101-B1D26	1.26mm	869
4101-B1D27	1.27mm	869
4101-B1D28	1.28mm	869
4101-B1D29	1.29mm	869
4101-B1D3	1.3mm	869
4101-B1D31	1.31mm	869
4101-B1D32	1.32mm	869
4101-B1D33	1.33mm	869
4101-B1D34	1.34mm	869
4101-B1D35	1.35mm	869
4101-B1D36	1.36mm	869
4101-B1D37	1.37mm	869
4101-B1D38	1.38mm	869
4101-B1D39	1.39mm	869
4101-B1D4	1.4mm	869
4101-B1D41	1.41mm	869
4101-B1D42	1.42mm	869
4101-B1D43	1.43mm	869
4101-B1D44	1.44mm	869
4101-B1D45	1.45mm	869
4101-B1D46	1.46mm	869
4101-B1D47	1.47mm	869
4101-B1D48	1.48mm	869
4101-B1D49	1.49mm	869

Grade 1

Code	Size	Price(₹)
4101-B1D5	1.5mm	869
4101-B1D6	1.6mm	869
4101-B1D7	1.7mm	869
4101-B1D8	1.8mm	869
4101-B1D9	1.9mm	869
4101-B2	2mm	740
4101-B2D5	2.5mm	869
4101-B3	3mm	740
4101-B3D5	3.5mm	869
4101-B4	4mm	740
4101-B4D5	4.5mm	869
4101-B5	5mm	740
4101-B5D5	5.5mm	869
4101-B6	6mm	757
4101-B6D5	6.5mm	890
4101-B7	7mm	757
4101-B7D5	7.5mm	890
4101-B8	8mm	757
4101-B8D5	8.5mm	890
4101-B9	9mm	757
4101-B9D5	9.5mm	890
4101-B10	10mm	827
4101-B11	11mm	970
4101-B12	12mm	970
4101-B13	13mm	970
4101-B14	14mm	970
4101-B15	15mm	827
4101-B16	16mm	970
4101-B17	17mm	970
4101-B18	18mm	970

Grade 1

Code	Size	Price(₹)
4101-B19	19mm	970
4101-B20	20mm	827
4101-B21	21mm	970
4101-B22	22mm	970
4101-B23	23mm	970
4101-B24	24mm	970
4101-B25	25mm	827
4101-B30	30mm	1440
4101-B35	35mm	2485
4101-B40	40mm	1440
4101-B41D3	41.3mm	1691
4101-B45	45mm	2734
4101-B50	50mm	1440
4101-B60	60mm	1781
4101-B70	70mm	1781
4101-B75	75mm	1781
4101-B80	80mm	1953
4101-B90	90mm	2124
4101-B100	100mm	2296
4101-B125	125mm	4061
4101-B131D4	131.4mm	6698
4101-B150	150mm	5704

Grade 2

Code	Size	Price(₹)
4101-C175	175mm	5191
4101-C200	200mm	6433
4101-C250	250mm	7187
4101-C300	300mm	8693
4101-C400	400mm	11285
4101-C500	500mm	13169

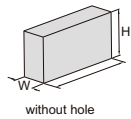
Sizes available up to 1000mm

STEEL GAGE BLOCK SETS

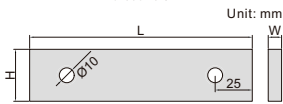
- Made of alloy steel
- Meet ISO3650
- With holes (L≥125mm)
- Supplied with manufacturer inspection certificate



4100-87



without hole



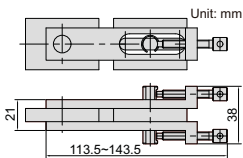
with hole

Dimension:

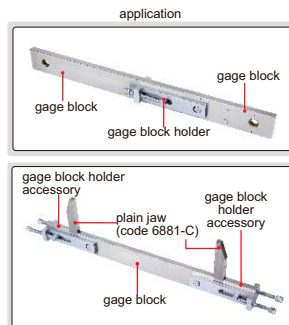
Size (L)	W	H
0.5 ≤ L ≤ 10mm	9mm	30mm
L > 10mm	9mm	35mm

Blocks per set	Gage blocks included in set			Grade 0		Grade 1		Grade 2	
	Size (mm)	Step (mm)	Quantity	Code	Price (₹)	Code	Price (₹)	Code	Price (₹)
112	1.0005		1	4100-112	77029	4100-1112	49492	4100-2112	27407
	1.001-1.009	0.001	9						
	1.01-1.49	0.01	49						
	0.5-24.5	0.5	49						
87	25-100	25	4	4100-87	56484	4100-187	33068	4100-287	17792
	1.001-1.009	0.001	9						
	1.01-1.49	0.01	49						
	0.5-9.5	0.5	19						
83	10-100	10	10	4100-83	50106	4100-183	28794	4100-283	17278
	0.5		1						
	1		1						
	1.005		1						
	1.01-1.49	0.01	49						
	1.5-1.9	0.1	5						
	2-9.5	0.5	16						
	10-100	10	10						
34	1.0005		1	4100-34	21077	4100-134	15313	4100-234	8279
	1.001-1.009	0.001	9						
	1.01-1.09	0.01	9						
	1.1-1.9	0.1	9						
	1-5	1	5						
	10		1						

GAGE BLOCK HOLDER



6886-1

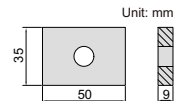


GAGE BLOCK HOLDER ACCESSORY



6886-A

Code	Price (₹)
6886-A	6340

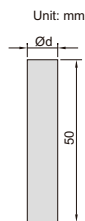


- For gage blocks over 100mm with clamping holes
- Optional accessory: gage block holder accessory, gage block accessory (code 6881)

PIN GAGE SETS



4166-6D



- Meet DIN2267, grade 1
- Made of alloy steel
- Hardness HRC62-65
- Diameter accuracy: ±1µm

Code	Diameter Ød (mm)	Step	Pin gages per set	Price (₹)
4166-0D	0.20, 0.21, 0.22, ... 0.50	0.01mm	31	9514
4166-1	0.50, 0.51, 0.52, ... 1.00	0.01mm	51	14767
4166-1D	1.00, 1.01, 1.02, ... 1.50	0.01mm	51	14767
4166-2	1.50, 1.51, 1.52, ... 2.00	0.01mm	51	14767
4166-2D	2.00, 2.01, 2.02, ... 2.50	0.01mm	51	14767
4166-3	2.50, 2.51, 2.52, ... 3.00	0.01mm	51	14767
4166-3D	3.00, 3.01, 3.02, ... 3.50	0.01mm	51	14767
4166-4	3.50, 3.51, 3.52, ... 4.00	0.01mm	51	14767
4166-4D	4.00, 4.01, 4.02, ... 4.50	0.01mm	51	14767
4166-5	4.50, 4.51, 4.52, ... 5.00	0.01mm	51	14767
4166-5D	5.00, 5.01, 5.02, ... 5.50	0.01mm	51	14767
4166-6	5.50, 5.51, 5.52, ... 6.00	0.01mm	51	14767
4166-6D	6.00, 6.01, 6.02, ... 6.50	0.01mm	51	14767
4166-7	6.50, 6.51, 6.52, ... 7.00	0.01mm	51	14767
4166-7D	7.00, 7.01, 7.02, ... 7.50	0.01mm	51	14767
4166-8	7.50, 7.51, 7.52, ... 8.00	0.01mm	51	14767
4166-8D	8.00, 8.01, 8.02, ... 8.50	0.01mm	51	14767
4166-9	8.50, 8.51, 8.52, ... 9.00	0.01mm	51	14784
4166-9D	9.00, 9.01, 9.02, ... 9.50	0.01mm	51	15630
4166-10	9.50, 9.51, 9.52, ... 10.00	0.01mm	51	15682

WATERPROOF DIGITAL PROTRACTOR (HEAVY DUTY)

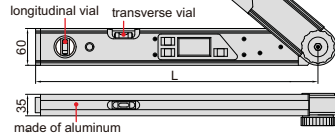
AUTOMATIC BACKLIGHT

IP54 WATERPROOF

ABSOLUTE LEVEL



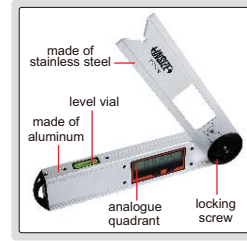
2174-225



- Suitable for setting horizontal and vertical mitre angles of cutting machine
- Buttons: ON/OFF, HOLD/SUP, SPR/CNR/MTR/BVL
- IP54 dust/waterproof
- With transverse and longitudinal vials
- 2xAAA batteries
- Absolute level, zero setting is not needed when batteries are replaced
- Backlight will turn off in one minute after no data changing, automatic power off in 5 minutes

Code	Size (L)	Range	Resolution	Accuracy	Price(₹)
2174-225	460mm	0-225°	0.05°	±0.10°	8047

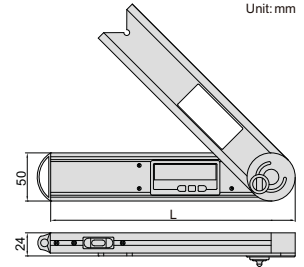
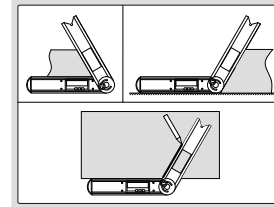
DIGITAL PROTRACTOR



2171-250



Unit: mm



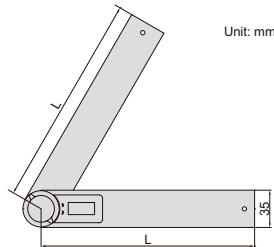
- Buttons: on/off, hold (keep the reading), zero, ABS (absolute and incremental measurement)
- Fix the locking screw at 4 positions for different measuring ranges: 0°~225°, -225°~0°, -45°~180°, -180°~45°
- Remove the locking screw for 360° range
- With level vial
- Battery CR2032
- Automatic power off

Code	Size (L)	Range	Resolution	Accuracy	Price(₹)
2171-250	250mm	0-360°	0.05°	±0.15°	4049

DIGITAL PROTRACTORS

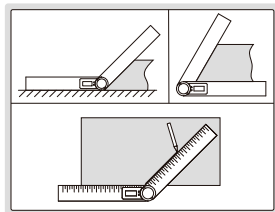


2176-200



Unit: mm

- Buttons: on/off, zero
- With clamping screw to lock the blades
- Graduation of blade: 1mm and 1/32"
- Made of stainless steel
- CR2032 battery
- Automatic power off

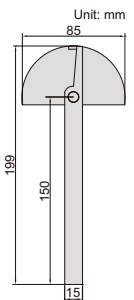


Code	Size (L)	Range	Resolution	Accuracy	Price(₹)
2176-200	200mm	0-360°	0.1°	±0.3°	2027
2176-300	300mm	0-360°	0.1°	±0.3°	2329

PROTRACTOR



4780-85



Unit: mm

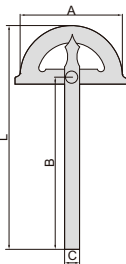
- Made of stainless steel
- Satin chrome plated scale
- With clamping screw

Code	Size	Range	Graduation	Accuracy	Price(₹)
4780-85	85x150mm	0-180°	1°	±0.3°	575

PROTRACTORS



4799-180



- Graduation: 1°
- Made of stainless steel
- Satin chrome plated scale
- With clamping screw

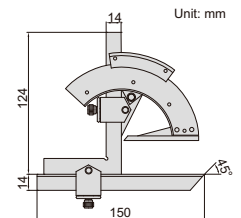
Code	Size (AxB)	Range	Accuracy	L	C	Price(₹)
4799-180	80x120mm	0-180°	±0.3°	168mm	11mm	1257
4799-1120	120x150mm	0-180°	±0.3°	220mm	14mm	1384
4799-1150	150x200mm	0-180°	±0.3°	285mm	16mm	1860
4799-1200	200x300mm	0-180°	±0.3°	413mm	20mm	2385

Sizes available up to 300x500mm

PROTRACTOR

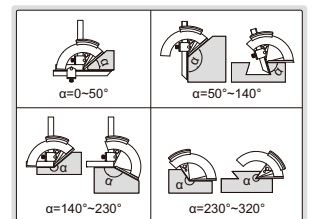


2374-320



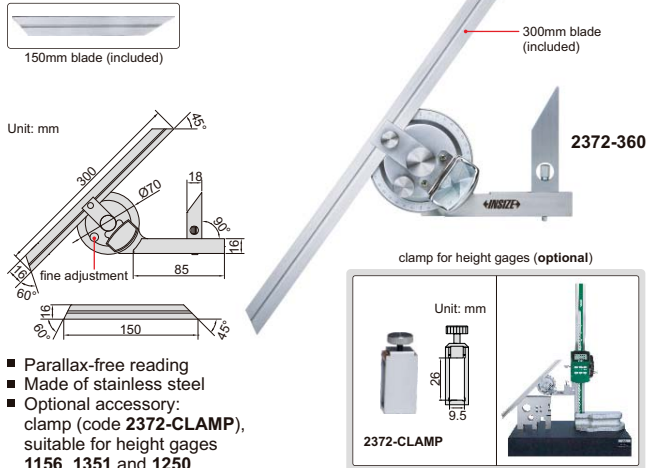
Unit: mm

- Made of stainless steel
- Satin chrome plated scale



Code	Range	Graduation	Accuracy	Price(₹)
2374-320	0-320°	2'	±2'	4871

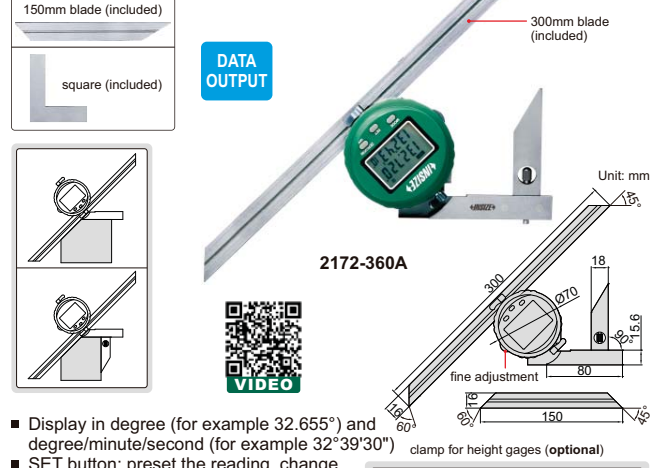
UNIVERSAL PROTRACTOR



- Parallax-free reading
- Made of stainless steel
- Optional accessory: clamp (code 2372-CLAMP), suitable for height gages 1156, 1351 and 1250

Code	Range	Graduation	Accuracy	Price(₹)
2372-360	0-360°	5'	±5'	4667

DIGITAL PROTRACTOR



- Display in degree (for example 32.655°) and degree/minute/second (for example 32°39'30")
- SET button: preset the reading, change measuring direction
- MODE button: choose 0-90°, 0-180° or 0-360° display
- ZERO/ON/OFF button: zero and power on/off
- Battery CR2032, automatic power off
- Data output
- Supplied with square to set 90°
- Made of stainless steel
- Optional accessory: data output cable (code 7306-40, 7315-40, 7302-SPC3A, 7305-C01, 7305-SPC1A), clamp (code 2372-CLAMP), suitable for height gages 1156, 1351 and 1250

Code	Range	Graduation	Accuracy	Price(₹)
2172-360A	0-360°	10"/0.005°	±5'	20514

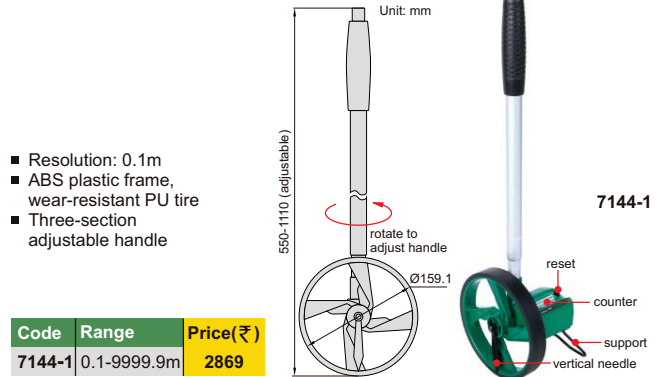
MEASURING WHEEL



- ABS plastic frame, wear-resistant PU tire
- Two-section foldable handle

Code	Range	Resolution	Price(₹)
7145-1	0.1-9999.9m	0.1m	6490

MEASURING WHEEL

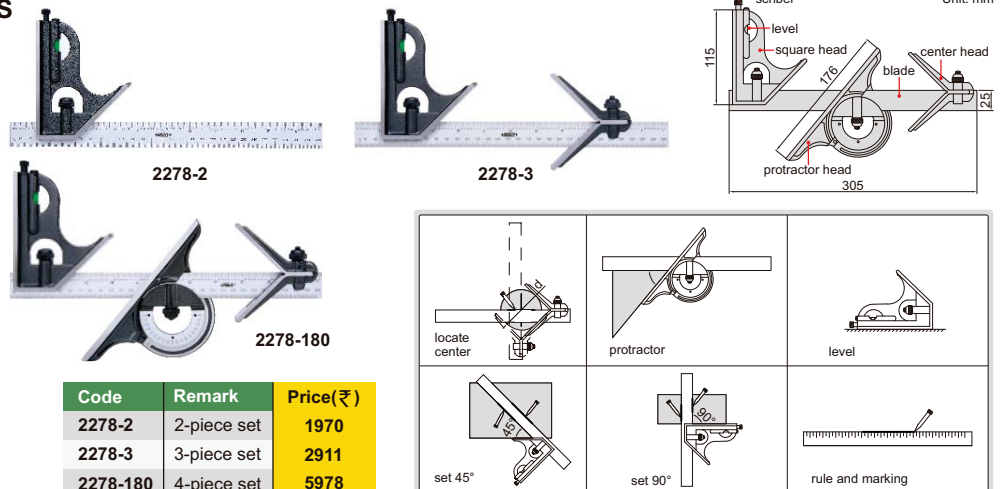


- Resolution: 0.1m
- ABS plastic frame, wear-resistant PU tire
- Three-section adjustable handle

Code	Range	Price(₹)
7144-1	0.1-9999.9m	2869

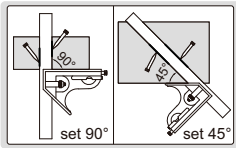
COMBINATION SQUARE SETS

- Center head (made of cast iron): To locate center of cylinder with diameter (Ød): 30-100mm Accuracy: ±0.15mm
- Protractor head (made of cast iron): To set the blade at desired angle to an edge of a workpiece, and can be used to measure angles Range: 0-180°, accuracy: ±7min.
- Square head (made of cast iron): To set the blade at 90° or 45° to an edge of a workpiece Accuracy: ±8min for 90° square, ±10min for 45° square
- Blade (made of stainless steel): Range: 300mm/12", Graduation: 0.5mm and 1/32" on front face, 1mm and 1/64" on back face
- Optional accessory: rigid rule (code 7113)



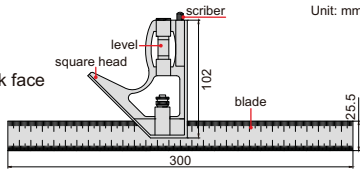
Code	Remark	Price(₹)
2278-2	2-piece set	1970
2278-3	3-piece set	2911
2278-180	4-piece set	5978

LIGHT DUTY COMBINATION SQUARE



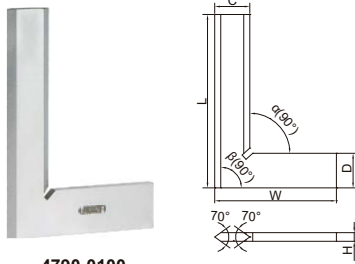
2276-300

- Square head (made of zinc): To set the blade at 90° or 45° to an edge of a workpiece
Accuracy: ±0.5°
- Blade (made of stainless steel): Range: 300mm/12", Graduation: 1mm and 1/32" on front face, 1mm and 1/16" on back face



Code	Price (₹)
2276-300	482

90° BEVELED EDGE SQUARES



4790-0100

- DIN875 grade 00
- Satin chrome plating
- Beveled edges for inside and outside measurement
- Made of hardened stainless steel

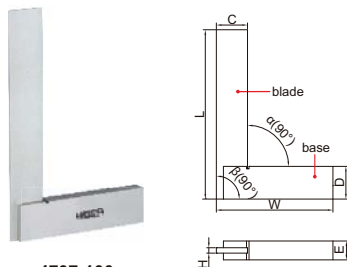
(mm)

Code	Size (LxW)	Squareness		C	D	H	Price (₹)
		Inside (α)	Outside (β)				
4790-050	50x40mm	2.4μm	2.5μm	13	13	4	1839
4790-075	75x50mm	2.6μm	2.8μm	15	15	4	2096
4790-0100	100x70mm	2.8μm	3.0μm	20	20	5	2339
4790-0150	150x100mm	3.2μm	3.5μm	30	30	6	4004
4790-0200	200x130mm	3.7μm	4.0μm	34	34	7	5103
4790-0300	300x200mm	4.6μm	5.0μm	40	40	8	9559

MACHINIST SQUARE WITH WIDE BASE

ATTENTION:
LOW ACCURACY

ATTENTION: NO ANTI-RUST
TREATMENT, NOT HARDENED



4707-100

- Economic model
- DIN875 grade 2
- Made of carbon steel, no anti-rust treatment, not hardened

(mm)

Code	Size (LxW)	Squareness		C	D	H	E	Price (₹)
		Inside (α)	Outside (β)					
4707-100	100x70mm	28μm	30μm	19	19	3	12	801
4707-150	150x100mm	33μm	35μm	25	25	3	16	1097
4707-200	200x130mm	37μm	40μm	30	32	4	16	1247
4707-300	300x200mm	47μm	50μm	32	32	4	19	2604
4707-500	500x300mm	65μm	70μm	45	50	6	25	6340

Sizes available up to 1000x550mm

STRAIGHT EDGES



4700-100

- DIN874
- Beveled edge
- Made of hardened stainless steel
- Satin chrome plating



Code	Size (L)	Straightness	W	H	Price (₹)
4700-100	100mm	2.4μm	5mm	25mm	1194
4700-150	150mm	2.6μm	6mm	30mm	1985
4700-200	200mm	2.8μm	6mm	30mm	2331
4700-300	300mm	3.2μm	8mm	40mm	4432

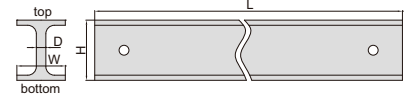
Sizes available up to 500mm

MAGNALIUM STRAIGHT EDGES



4180-500

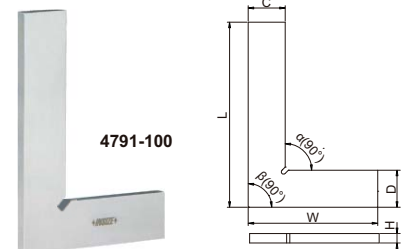
- Made of magnalium, light weight, non-deform, no rusty



(mm)

Code	Length (L)	Flatness of top and bottom	Parallelism between top and bottom	H	W	D	Price (₹)
4180-500	500mm	3μm	4μm	60	30	5	14074
4180-1000	1000mm	5μm	8μm	60	30	5	29523
4180-1500	1500mm	15μm	22μm	100	40	5	40374
4180-2000	2000mm	18μm	27μm	100	40	8	54110

90° FLAT EDGE SQUARES



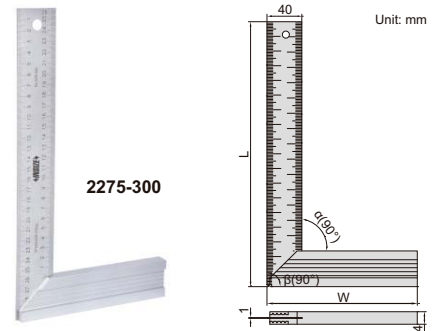
4791-100

- DIN875 grade 0
- Made of hardened stainless steel

Code	Size (LxW)	Squareness		C	D	H	Price (₹)
		Inside (α)	Outside (β)				
4791-50	50x40mm	6μm	6μm	15mm	15mm	4mm	1363
4791-100	100x70mm	7μm	7μm	20mm	20mm	5mm	1783

Sizes available up to 300x200mm

TRY SQUARE



2275-300

- Graduation: 1mm
- Stainless steel blade, aluminum base

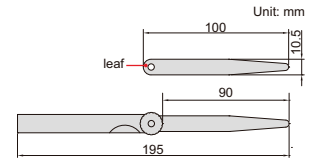
Code	Size (LxW)	Squareness		Price (₹)
		Inside (α)	Outside (β)	
2275-300	300x170mm	0.5mm	0.5mm	487

FEELER GAGES



4602-20

- Made of hardened alloy steel
- Meet DIN2275
- Accuracy: $\pm(3+T/80)$ μm , 'T' is the thickness of leaves in μm



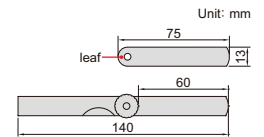
Code	Range	Thickness of leaves included (mm)	Quantity of leaves	Price (₹)
4602-17	0.02-1.00mm	0.02, 0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.75, 1.00	17	313
4602-20	0.05-1.00mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00	20	337
4602-32	0.03-1.00mm	0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.13, 0.15, 0.18, 0.20, 0.23, 0.25, 0.28, 0.30, 0.33, 0.35, 0.38, 0.40, 0.45, 0.50, 0.55, 0.60, 0.63, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 1.00	32	480

FEELER GAGE



4601-25

- Made of hardened alloy steel
- Meet DIN2275
- Accuracy: $\pm(3+T/80)$ μm , 'T' is the thickness of leaves in μm



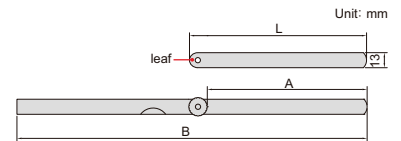
Code	Range	Thickness of leaves included (mm)	Quantity of leaves	Price (₹)
4601-25	0.04-1.00mm	0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00	25	317

LONG FEELER GAGES



4605-20

- Made of hardened alloy steel
- Meet DIN2275
- Accuracy: $\pm(3+T/80)$ μm , 'T' is the thickness of leaves in μm



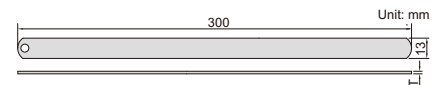
Code	Range	Thickness of leaves included (mm)	Quantity of leaves	L	A	B	Price (₹)
4605-20	0.05-1.00mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00	20	150	135	295	600
4605-201	0.05-1.00mm	0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00	20	200	185	395	638
4605-202	0.05-1.00mm	0.75, 0.80, 0.85, 0.90, 0.95, 1.00	20	300	285	590	1086

FEELER GAGE STOCKS



4622-10

- Used as shims to accurately set spacing
- Made of hardened alloy steel
- Length 300mm
- Width 13mm
- 10pcs/package



Code	Thickness (T)	Accuracy	Price (₹)	Code	Thickness (T)	Accuracy	Price (₹)	Code	Thickness (T)	Accuracy	Price (₹)
4622-02	0.02mm	$\pm 3\mu\text{m}$	1130*	4622-15	0.15mm	$\pm 5\mu\text{m}$	823*	4622-60	0.60mm	$\pm 9\mu\text{m}$	1017*
4622-03	0.03mm	$\pm 3\mu\text{m}$	1042*	4622-18	0.18mm	$\pm 6\mu\text{m}$	1363*	4622-65	0.65mm	$\pm 9\mu\text{m}$	1017*
4622-04	0.04mm	$\pm 3\mu\text{m}$	906*	4622-20	0.20mm	$\pm 6\mu\text{m}$	823*	4622-70	0.70mm	$\pm 12\mu\text{m}$	1017*
4622-05	0.05mm	$\pm 3\mu\text{m}$	688*	4622-25	0.25mm	$\pm 6\mu\text{m}$	823*	4622-75	0.75mm	$\pm 12\mu\text{m}$	1106*
4622-06	0.06mm	$\pm 3\mu\text{m}$	688*	4622-30	0.30mm	$\pm 7\mu\text{m}$	823*	4622-80	0.80mm	$\pm 13\mu\text{m}$	1106*
4622-07	0.07mm	$\pm 4\mu\text{m}$	688*	4622-35	0.35mm	$\pm 7\mu\text{m}$	906*	4622-85	0.85mm	$\pm 13\mu\text{m}$	1106*
4622-08	0.08mm	$\pm 4\mu\text{m}$	688*	4622-40	0.40mm	$\pm 8\mu\text{m}$	906*	4622-90	0.90mm	$\pm 14\mu\text{m}$	1106*
4622-09	0.09mm	$\pm 4\mu\text{m}$	688*	4622-45	0.45mm	$\pm 8\mu\text{m}$	906*	4622-95	0.95mm	$\pm 14\mu\text{m}$	1106*
4622-10	0.10mm	$\pm 4\mu\text{m}$	688*	4622-50	0.50mm	$\pm 9\mu\text{m}$	906*	4622-100	1.00mm	$\pm 16\mu\text{m}$	1106*
4622-12	0.12mm	$\pm 5\mu\text{m}$	1355*	4622-55	0.55mm	$\pm 9\mu\text{m}$	1017*				

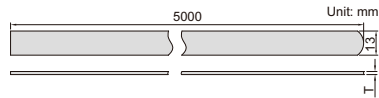
*Price for 10pcs

FEELER GAGE ROLLS



4621-30

- Used as shims to accurately set spacing
- Made of hardened alloy steel
- Length 5m
- Width 13mm



Code	Thickness (T)	Accuracy	Price (₹)
4621-02	0.02mm	±4µm	730
4621-03	0.03mm	±4µm	576
4621-04	0.04mm	±4µm	576
4621-05	0.05mm	±4µm	423
4621-06	0.06mm	±4µm	423
4621-07	0.07mm	±5µm	423
4621-08	0.08mm	±5µm	423
4621-09	0.09mm	±5µm	423
4621-10	0.10mm	±5µm	423
4621-12	0.12mm	±5µm	499
4621-15	0.15mm	±6µm	423
4621-18	0.18mm	±7µm	499
4621-20	0.20mm	±8µm	423
4621-25	0.25mm	±9µm	460
4621-30	0.30mm	±9µm	585

Code	Thickness (T)	Accuracy	Price (₹)
4621-35	0.35mm	±11µm	737
4621-40	0.40mm	±12µm	777
4621-45	0.45mm	±12µm	777
4621-50	0.50mm	±14µm	777
4621-55	0.55mm	±14µm	857
4621-60	0.60mm	±14µm	857
4621-65	0.65mm	±14µm	857
4621-70	0.70mm	±17µm	857
4621-75	0.75mm	±17µm	897
4621-80	0.80mm	±19µm	897
4621-85	0.85mm	±19µm	897
4621-90	0.90mm	±22µm	897
4621-95	0.95mm	±22µm	897
4621-100	1.00mm	±24µm	897

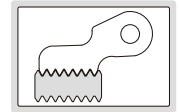
PITCH GAGES

**ATTENTION:
LOW ACCURACY**

- Check the pitch of screw thread
- Accuracy: ±0.07mm
- Made of medium carbon steel



4820-124



Metric 60° screw

Code	Range	Pitch of leaves included	Quantity of leaves	Price (₹)
4820-124	0.25-7mm	0.25, 0.3, 0.35, 0.4, 0.5, 0.7, 0.75, 0.8, 0.9, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7mm	24	443

Unified 60° screw

Code	Range	Pitch of leaves included	Quantity of leaves	Price (₹)
4820-230	4-42TPI	4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 11-1/2, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42TPI	30	530

Whitworth 55° screw

Code	Range	Pitch of leaves included	Quantity of leaves	Price (₹)
4820-330	4-42TPI	4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42TPI	30	520

Metric 60° and Whitworth 55° screw

Code	Range	Pitch of leaves included	Quantity of leaves	Price (₹)
4820-452	0.25-6mm	0.25, 0.3, 0.35, 0.4, 0.45, 0.5, 0.6, 0.7, 0.75, 0.8, 0.9, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6mm	52	627
	4-62TPI	4, 4-1/2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 19, 20, 22, 24, 25, 26, 28, 30, 32, 36, 40, 48, 60, 62TPI		

Metric 60° and Unified 60° screw

Code	Range	Pitch of leaves included	Quantity of leaves	Price (₹)
4820-552	0.4-7mm	0.4, 0.5, 0.6, 0.7, 0.75, 0.8, 0.9, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7mm	52	627
	4-42TPI	4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 11-1/2, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42TPI		

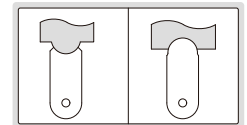
RADIUS GAGES

**ATTENTION:
LOW ACCURACY**

- Made of medium carbon steel



4801-17



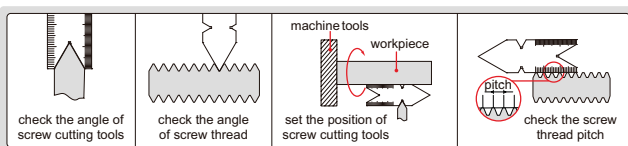
Code	Range	Radius of leaves included (mm)	Quantity of leaves (internal+external)	Accuracy	Price (₹)
4801-17	1-7mm	1, 1.25, 1.5, 1.75, 2, 2.25, 2.5, 2.75, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7	17+17	±0.03mm	684
4801-16	7.5-15mm	7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13, 13.5, 14, 14.5, 15	16+16	±0.035mm	680
4801-15	15.5-25mm	15.5, 16, 16.5, 17, 17.5, 18, 18.5, 19, 19.5, 20, 21, 22, 23, 24, 25	15+15	±0.042mm	691

CENTER GAGES



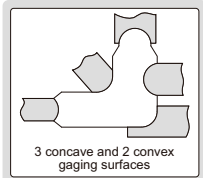
4810-602

- To check and set screw cutting tools, and check the angle and pitch of screw thread
- Angle accuracy: ±30min.
- Made of stainless steel



Code	Thread type	Angle (α)	Graduation	Price (₹)
4810-601	METRIC 60°	60°	0.5mm and 1mm	247
4810-602	UNIFIED 60°	60°	14ths and 20ths on front side, 24ths and 32ths on back side	285
4810-55	WHITWORTH 55°	55°	14ths and 20ths on front side, 24ths and 32ths on back side	248

RADIUS GAGE SET



ATTENTION:
LOW ACCURACY



4804-26

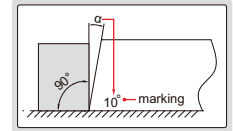
- Accuracy: $\pm 0.05\text{mm}$
- Each piece has 3 concave and 2 convex gaging surfaces
- Supplied with handle
- Made of medium carbon steel

Code	Range	Radius of leaves included (mm)	Quantity of leaves	Price (₹)
4804-26	0.5-13mm	0.5, 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13	26	2286

ANGLE GAGE



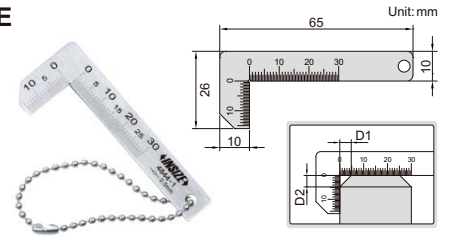
4806-20



- To check complementary angles
- Made of stainless steel

Code	Range	Angle of leaves included	Quantity of leaves	Accuracy	Price (₹)
4806-20	1°-45°	1°, 2°, 3°, 4°, 5°, 6°, 7°, 8°, 9°, 10°, 12°, 14°, 16°, 18°, 20°, 25°, 30°, 35°, 40°, 45°	20	$\pm 30'$	1860

CHAMFER GAGE



- To measure internal and external chamfers
- Made of stainless steel

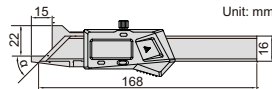
4844-1

Code	Graduation	Accuracy	Price (₹)
4844-1	0.5mm	$\pm 0.25\text{mm}$	376

DIGITAL CHAMFER GAGES

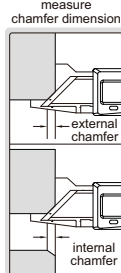


1180-6



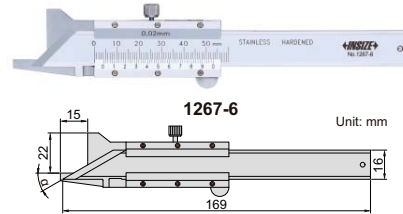
DATA OUTPUT

- Measure 30°/45°/60° chamfer dimension
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)

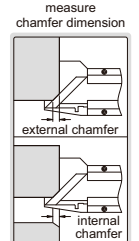


Code	Range	Accuracy	Chamfer (α)	Price (₹)
1180-6	0-10mm/0-0.39"	$\pm 0.06\text{mm}$	45°	6186
1180-63	0-10mm/0-0.39"	$\pm 0.06\text{mm}$	30°	8330
1180-66	0-10mm/0-0.39"	$\pm 0.06\text{mm}$	60°	8330

CHAMFER GAGES



1267-6



- Measure 30°/45°/60° chamfer dimension
- Made of stainless steel
- Satin chrome plated reading surface

Code	Range	Accuracy	Graduation	Chamfer (α)	Price (₹)
1267-6	0-10mm	$\pm 0.06\text{mm}$	0.02mm	45°	5317
1267-63	0-10mm	$\pm 0.06\text{mm}$	0.02mm	30°	6443
1267-66	0-10mm	$\pm 0.06\text{mm}$	0.02mm	60°	6443

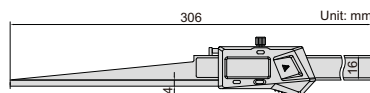
DIGITAL TAPER GAGE

DATA OUTPUT

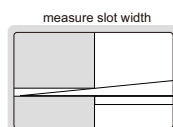


1160-10

ATTENTION: ACTUAL SLOT WIDTH IS 1/10 OF THE READING



- Measuring opening, slot width
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)

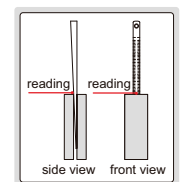


Code	Range	Accuracy	Price (₹)
1160-10	0.2-10mm/0.008-0.394"	$\pm 0.03\text{mm}$	18583

TAPER GAGES



4630-1

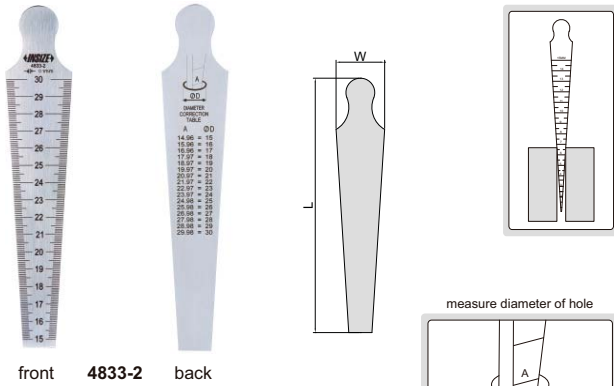


- For quick measurement of slot width
- Satin chrome plated reading surface
- Made of stainless steel

Code	Range	Graduation	Accuracy	L	a	b	Price (₹)
4630-3	0.4-6mm	0.05mm	$\pm 0.04\text{mm}$	164	12.5	6.5	2533
4630-1	0.5-10mm	0.05mm	$\pm 0.07\text{mm}$	220	10	10.5	1901
4630-2	0.5-15mm	0.1mm	$\pm 0.08\text{mm}$	184	12.5	16.5	2947

(mm)

TAPER GAGES



- Measure opening, slot width, hole diameter, etc.
- Diameter correction table on the back (only for 4833-1, 4833-2)
- Made of stainless steel

Code	Range	Graduation	Accuracy	L	W	Price(₹)
4833-1	0.8-15mm	0.1mm	±0.1mm	146mm	17mm	631
4833-2	15-30mm	0.1mm	±0.1mm	159mm	30.4mm	508
4833-3	30-45mm	0.1mm	±0.1mm	166mm	45.4mm	643
4833-4	45-60mm	0.1mm	±0.1mm	170mm	60.5mm	879

TAPER BORE GAGES



- Quick measurement of bore diameter
- Hardened carbon steel, HRC50-58
- Satin chrome plated surface
- Aluminium oxidized handle

Code	Range	Graduation	Accuracy	L	Ød1	Ød2	Price(₹)
4852-1	1-6.5mm	0.1mm	±0.05mm	62.5	7	0.8	2369
4852-3	3-16mm	0.1mm	±0.05mm	143	17	2.8	2642
4852-15	15-30mm	0.1mm	±0.05mm	165	31	14.7	4060
4852-30	30-45mm	0.1mm	±0.05mm	165	46	29.6	4878

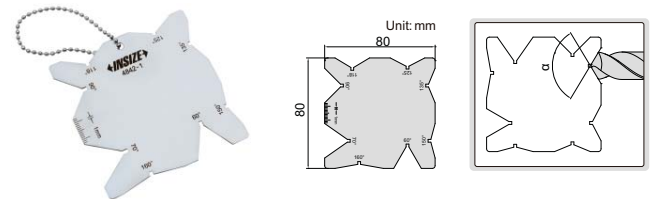
TAPER GAGE SET



- Include 4pcs (1-8mm, 8-15mm, 15-22mm, 22-29mm)
- Measure opening, slot width, hole diameter, etc.
- Diameter correction table on the back
- Made of stainless steel

Code	Range	Graduation	Accuracy	Price(₹)
4837-1	1-29mm	0.05mm	±0.05mm	2332

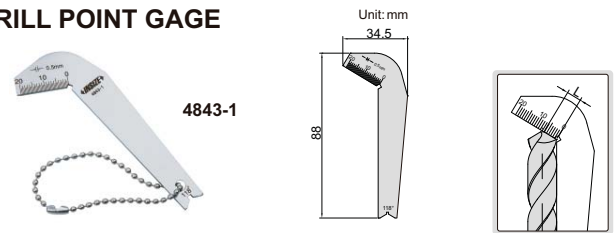
DRILL ANGLE GAGE



- Check drills with angle 60°, 70°, 90°, 118°, 125°, 135°, 150° or 160°
- Made of stainless steel

Code	Accuracy	Price(₹)
4842-1	±0.5°	488

DRILL POINT GAGE

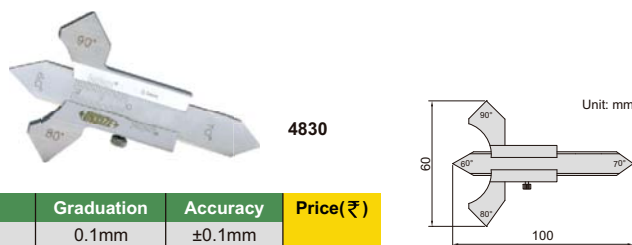


- For twist drills with 118° angle, to check if the center of tip is concentric with the drill body
- Made of stainless steel

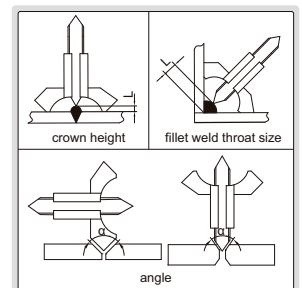
Code	Accuracy		Price(₹)
	Angle	Length	
4843-1	±0.5°	±0.5mm	384

WELDING GAGE

- Made of stainless steel
- Satin chrome plated reading surface



Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4830	crown height	0-8mm	0.1mm	±0.1mm	1324
	fillet weld throat size	0-20mm	0.1mm	±0.3mm	
	angle	60°, 70°, 80°, 90°	—	±1°	



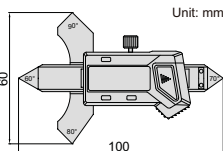
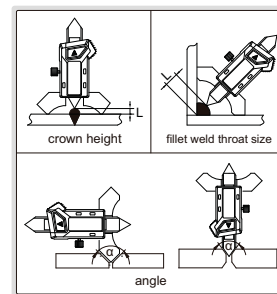
DIGITAL WELDING GAGE

ATTENTION:
NO DATA OUTPUT

- Buttons: zero, mm/inch, on/off
- Battery LR44
- Made of stainless steel



4831-20A



Unit: mm

Code	Measurement	Range	Resolution	Accuracy	Price(₹)
4831-20A	crown height	0-7mm	0.01mm/0.0005"	±0.03mm	5138
	fillet weld throat size	0-20mm	0.01mm/0.0005"	±0.1mm	
	angle	60°, 70°, 80°, 90°	—	±1°	

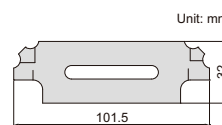
FILLET WELDING GAGES

- Measure concave and convex weld sizes
- 7 blades are included
- Made of stainless steel

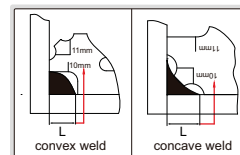


4836-1

4836-2



Unit: mm



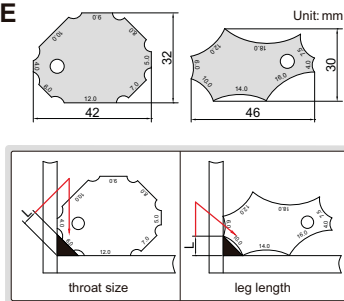
Code	Size	Accuracy	Price(₹)
4836-1	3mm, 4mm, 5mm, 6mm, 8mm, 9mm, 10mm, 11mm, 12mm, 14mm, 16mm, 19mm, 22mm, 25mm	±0.5mm	1472
4836-2	1/8" (3.2mm), 3/16" (4.8mm), 1/4" (6.4mm), 5/16" (7.9mm), 3/8" (9.5mm), 7/16" (11.1mm), 1/2" (12.7mm), 5/8" (15.9mm), 3/4" (19.1mm), 7/8" (22.2mm), 1" (25.4mm)	±0.02" (0.5mm)	1221

FILLET WELDING GAGE



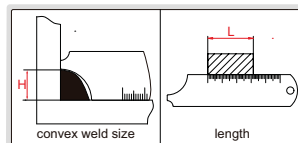
4832-1

- Accuracy: ±0.5mm
- Made of stainless steel
- Sizes marked on both faces

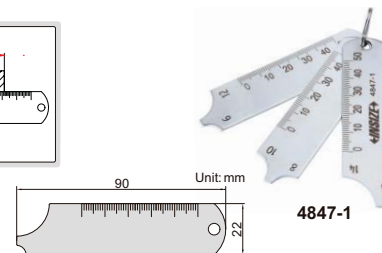


Code	Throat size (mm)	Leg length (mm)	Price(₹)
4832-1	4, 5, 6, 7, 8, 9, 10, 12	4, 6, 7.5, 10, 12, 14, 16, 18	623

FILLET WELDING GAGE



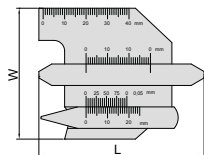
- Accuracy: ±0.5mm
- Measure convex weld sizes
- 3 blades are included
- Made of stainless steel



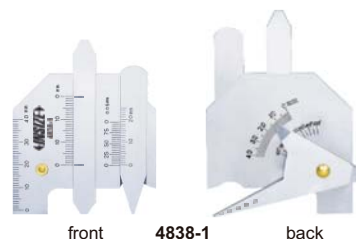
4847-1

Code	Measurement	Range	Graduation	Price(₹)
4847-1	convex weld size	4, 6, 8, 10, 12, 14mm	—	809
	length	0-50mm	1mm	

WELDING GAGES



- Made of stainless steel



front

4838-1

back

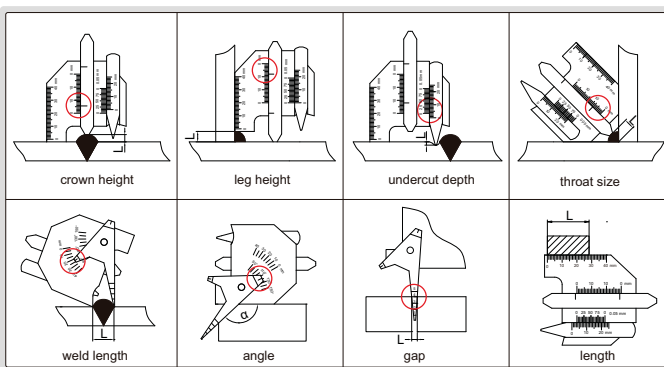


front

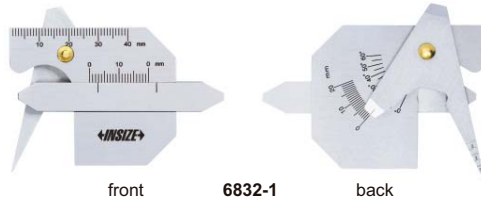
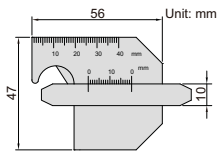
4838-2

back

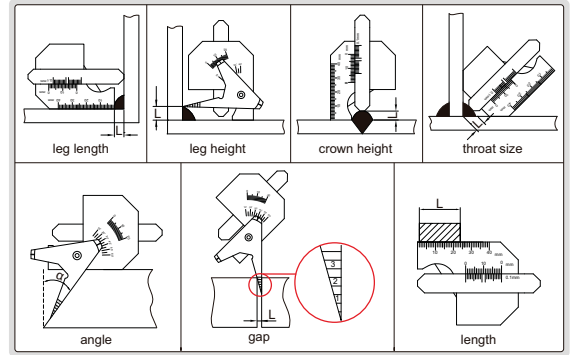
Code	4838-1			4838-2		
Price(₹)	2028			2319		
Measurement	Range	Graduation	Accuracy	Range	Graduation	Accuracy
crown height	0-10mm	1mm	±0.5mm	0-15mm	1mm	±0.5mm
leg height	0-14mm	1mm	±0.5mm	0-15mm	1mm	±0.5mm
undercut depth	0-5mm	0.05mm	±0.05mm	0-5mm	0.05mm	±0.05mm
throat size	0-13mm	1mm	±0.5mm	0-13mm	1mm	±0.5mm
weld length	0-40mm	1mm	±1mm	0-60mm	1mm	±1mm
angle	90°-150°	5°	±1°	80°-160°	5°	±1°
gap	0.5-5mm	1mm	±0.5mm	1-6mm	1mm	±0.5mm
length	0-40mm	1mm	±0.5mm	0-50mm	1mm	±0.5mm
LxW	62x77mm			99x84mm		



WELDING GAGE

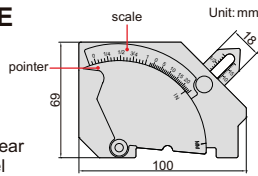


- Made of stainless steel
- Satin chrome plated surface

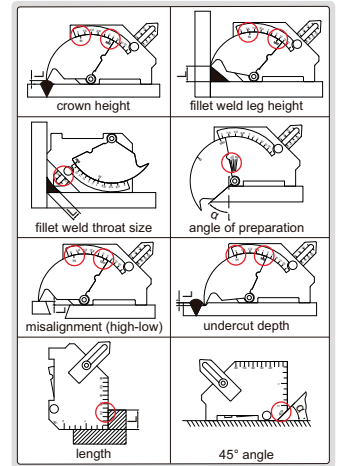


Code	Measurement	Range	Graduation	Accuracy	Price(₹)
6832-1	leg length	0-20mm	1mm	±0.3mm	1853
	leg height	0-20mm	1mm	±0.3mm	
	crown height	0-20mm	1mm	±0.3mm	
	throat size	0-10mm	1mm	±0.3mm	
	angle	0°-60°	5°	±1°	
	gap	1-3.5mm	0.5mm	±0.2mm	
	length	0-40mm	1mm	±0.3mm	

WELDING GAGE



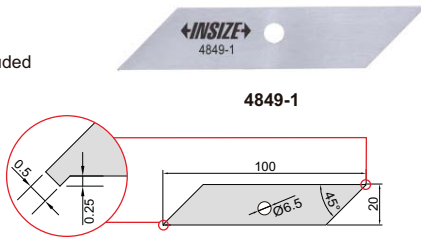
- Adjustable scale to compensate pointer wear
- Made of stainless steel



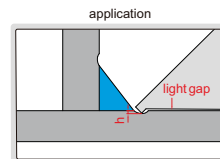
Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4835-1	crown height	0-25mm (0-1")	1mm (1/16")	±0.5mm	2042
	fillet weld leg height	0-25mm (0-1")	1mm (1/16")	±0.5mm	
	misalignment (high-low)	0-25mm (0-1")	1mm (1/16")	±0.5mm	
	undercut depth	0-2mm (0-1/8")	1mm (1/16")	±0.5mm	
	fillet weld throat size	0-20mm (0-3/4")	1mm (1/16")	±0.5mm	
	angle of preparation	0-60°	5°	±1°	
	length	0-60mm (0-2")	1mm (1/16")	±0.5mm	
	45° angle	—	—	±1°	

WELDING UNDERCUT GAGE

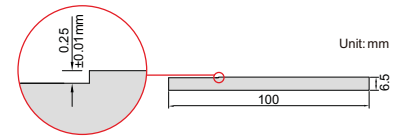
- Measure undercut
- Calibration block is included
- Made of stainless steel



4849-1



When there is a light gap, $h < 0.25\text{mm}$;
When there is no light gap, $h \geq 0.25\text{mm}$



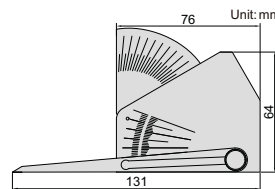
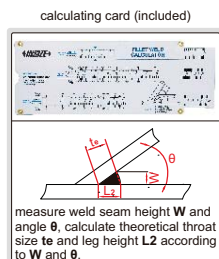
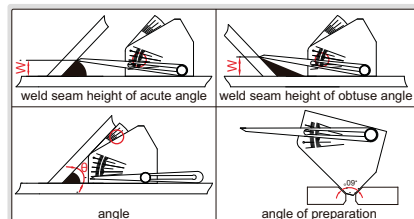
calibration block (included)



Code	Price(₹)
4849-1	6351

FILLET WELDING GAGE

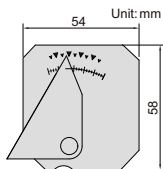
- Calculating card is included
- Made of stainless steel



4846-1

Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4846-1	weld seam height W	0-50mm/0-2"	2mm/.050"	±1mm	2658
	angle θ	30°-90°	2.5°	±1°	
	60° angle	—	—	±0.5°	

WELDING GAGE

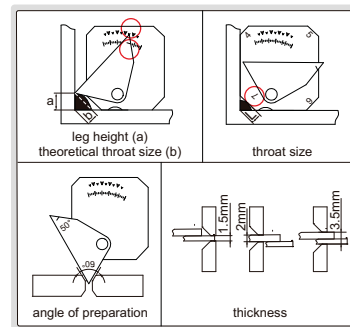


■ Made of stainless steel

Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4850-1	leg height (a)	2-12mm	1mm	±0.5mm	1401
	theoretical throat size (b)	0-18mm	1mm	±0.5mm	
	throat size	4, 5, 6, 7mm	—	±0.5mm	
	angle of preparation	50°, 60°	—	±1°	
	thickness	1.5, 2, 3.5mm	—	±0.2mm	



4850-1

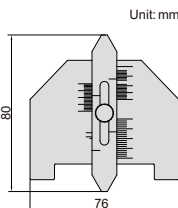


WELDING GAGE

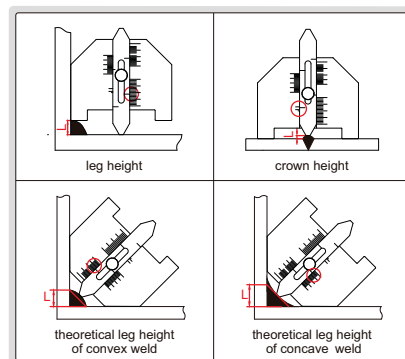


■ Made of stainless steel

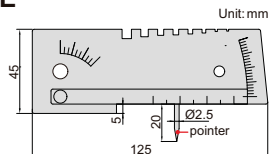
Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4851-1	leg height	0-20mm	1mm	±0.5mm	1222
	crown height	0-3mm	—	±0.5mm	
	theoretical leg height of convex weld	0-20mm	1mm	±0.5mm	
	theoretical leg height of concave weld	0-20mm	1mm	±0.5mm	



4851-1



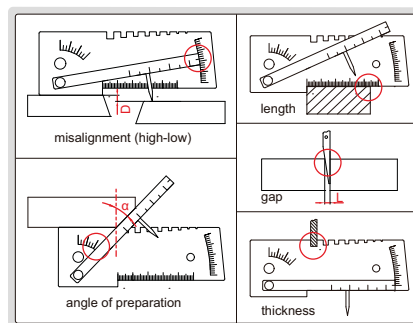
WELDING GAGE



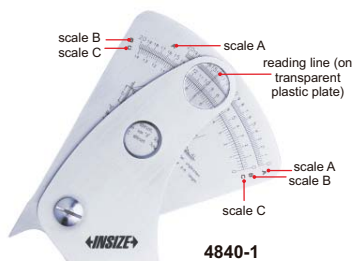
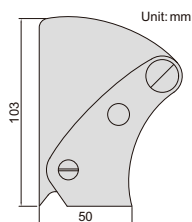
4848-1

Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4848-1	misalignment (high-low)	-5mm~+15mm	1mm	±0.5mm	1599
	angle of preparation	0°-45°	5°	±2.5°	
	length	0-50mm	1mm	±0.5mm	
	gap	1-4mm	0.5mm	±0.25mm	
	thickness	1, 1.2, 2.0, 2.5, 3.0, 3.25, 4.0, 5.0mm	—	±0.1mm	

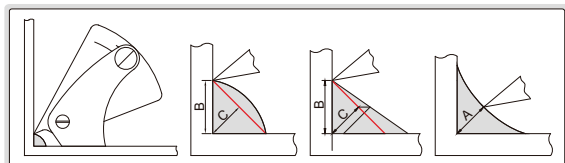
■ Made of stainless steel



WELDING GAGE



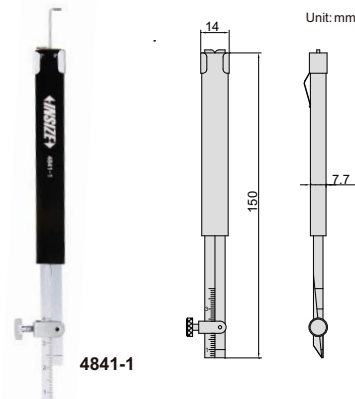
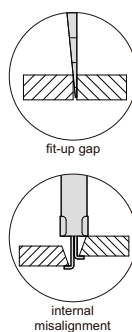
4840-1



Code	Graduation	Accuracy	Price(₹)
4840-1	0.2mm	±0.3mm	2369

■ Made of stainless steel

PIPE WELDING GAGE



4841-1

■ Made of stainless steel

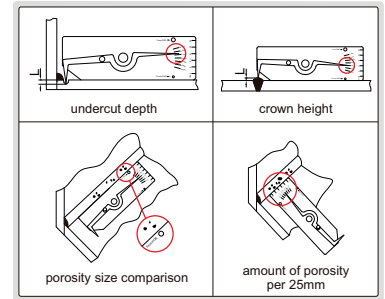
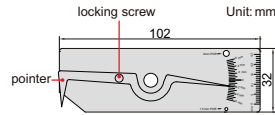
Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4841-1	internal misalignment	0-30mm	1mm	±0.5mm	2433
	fit-up gap	0.7-4mm	0.1mm	±0.1mm	

WELDING GAGE

- Pointer can be locked for later reference
- Made of stainless steel



4834-1



Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4834-1	undercut depth	0-6mm	0.5mm	±0.5mm	1048
	crown height	0-6mm	0.5mm	±0.5mm	
	porosity size comparison	1.5mm, 3mm	—	±0.2mm	
	amount of porosity per 25mm	25mm	1mm	—	

PIPE WELDING GAGE

- Made of stainless steel

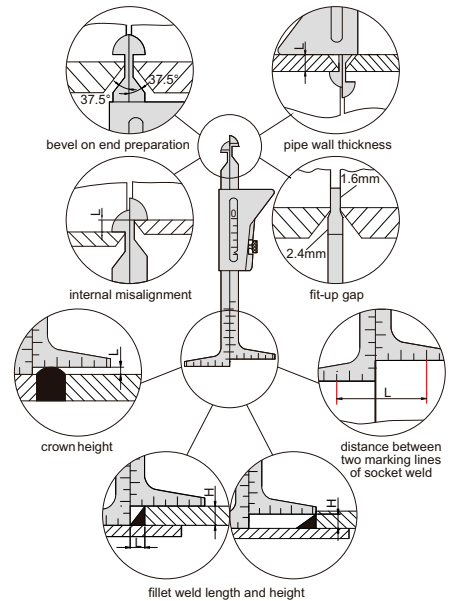
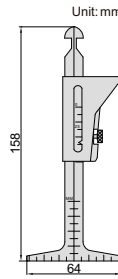


front



back

4839-1



Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4839-1	bevel on end preparation	37.5°	—	±1°	2939
	pipe wall thickness	0-45mm (0-1-3/4")	1mm (1/16")	±0.5mm	
	internal misalignment	0-35mm (0-1-3/8")	1mm (1/32")	±0.5mm	
	fit-up gap	1.6mm, 2.4mm	—	±0.1mm	
	crown height	0-35mm (0-1-3/8")	1mm (1/32")	±0.5mm	
	distance between two marking lines of socket weld	0-60mm (0-2-3/8")	1mm (1/16")	±0.5mm	
	fillet weld length	0-30mm (0-1-1/4")	1mm (1/16")	±0.5mm	
	fillet weld height	0-35mm (0-1-3/8")	1mm (1/32")	±0.5mm	

6-PIECE WELDING GAGE SET

- Includes:
 - 1) Welding gage (code 4834-1)
 - 2) Fillet welding gage, size 3~25mm, 7 blades (code 4836-1)
 - 3) Pipe welding gage (code 4841-1)
 - 4) Telescoping inspection mirror, size of mirror Ø32mm, length 178~505mm (code 7160-1)
 - 5) Pocket rule with sliding clip, range 150mm/6", graduation 1mm, 1/64" (code 7119-150)
 - 6) LED flashlight (code ISGF-0501)



5064

Code	Price(₹)
5064	5583

7-PIECE WELDING GAGE SET

- Includes:
 - 1) Welding gage (code 4834-1)
 - 2) Welding gage (code 4851-1)
 - 3) Pipe welding gage (code 4839-1)
 - 4) Outside micrometer, range 0-25mm, graduation 0.01mm (code 3203-25A)
 - 5) Telescoping inspection mirror, size of mirror Ø32mm, length 178~505mm (code 7160-1)
 - 6) Magnifier with illumination, magnification 4X (code 7513-4)
 - 7) Steel rule, range 150mm/6", graduation 0.5mm, 1mm, 1/64", 1/32", 1/16" (code 7110-150)



5071

Code	Price(₹)
5071	7177

7-PIECE WELDING GAGE SET

- Includes:
 - 1) Welding gage (code 4834-1)
 - 2) Welding gage (code 4851-1)
 - 3) Fillet welding gage, size 3~25mm, 7 blades (code 4836-1)
 - 4) Outside micrometer, range 0-25mm, graduation 0.01mm (code 3203-25A)
 - 5) Digital caliper, range 0-150mm/0-6", resolution 0.01mm/0.005" (code 1108-150)
 - 6) Pocket rule with sliding clip, range 150mm/6", graduation 1mm, 1/64" (code 7119-150)
 - 7) Magnifier with illumination, magnification 4X (code 7513-4)



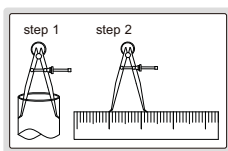
5072

Code	Price(₹)
5072	7971

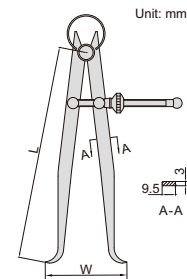
INSIDE SPRING CALIPERS

■ Made of carbon steel

Code	Size (L)	Range (W)	Price (₹)
7261-150	150mm	20 - 170mm	588
7261-200	200mm	22 - 220mm	671
7261-250	245mm	30 - 270mm	905
7261-300	300mm	30 - 320mm	1014



7261-150

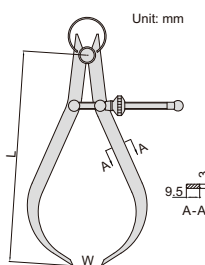


OUTSIDE SPRING CALIPERS

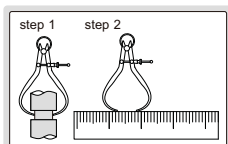


■ Made of carbon steel

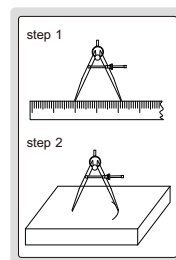
Code	Size (L)	Range (W)	Price (₹)
7262-150	155mm	0-140mm	588
7262-200	210mm	0-210mm	671
7262-250	265mm	0-270mm	959
7262-300	310mm	0-320mm	1093



7262-150



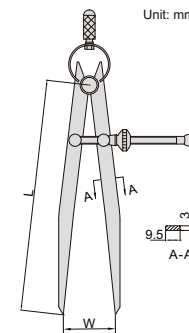
SPRING DIVIDERS



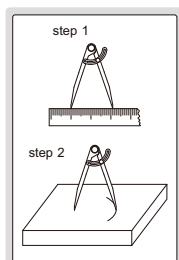
■ Made of carbon steel
■ Hardened points

Code	Size (L)	Range (W)	Price (₹)
7260-150	150mm	0-150mm	588
7260-200	200mm	0-210mm	671
7260-250	245mm	0-260mm	905
7260-300	300mm	0-320mm	1014

7260-150

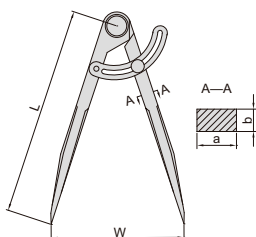


DIVIDERS



■ Made of carbon steel
■ Hardened points

Code	Size(L)	Range(W)	a	b	Price (₹)
7247-150	150mm	0 - 140mm	8.5	7	383
7247-200	200mm	0 - 190mm	10	7	454
7247-300	300mm	0 - 290mm	12	7	662



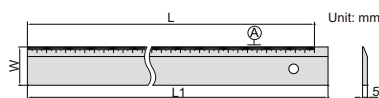
7247-150

(mm)

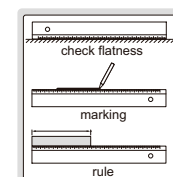
STRAIGHT EDGES



7111-300A



■ Check flatness and straightness, as well as for marking
■ Graduation on the beveled edge
■ Made of hardened tool steel
■ Chrome plated



Code	Range (L)	Straightness of A	L1	W	Price (₹)
7111-300A	300mm	0.02mm	320mm	40mm	2737
7111-500A	500mm	0.03mm	520mm	40mm	4193
7111-1000A	1000mm	0.04mm	1020mm	50mm	9245

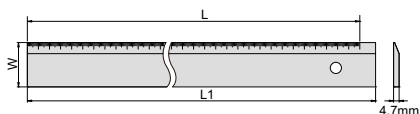
ALUMINUM RULE

■ Graduation: 1mm
■ Made of aluminum, oxidized surface

Code	Range	Accuracy	L1	W	Price (₹)
7123-600	600mm	±0.9mm	624mm	50mm	470



7123-600

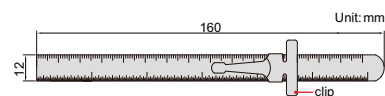


POCKET RULE WITH SLIDING CLIP



7119-150

■ With sliding clip, clip also can be used as depth gage base
■ Inch/metric conversion table on the back
■ Made of stainless steel

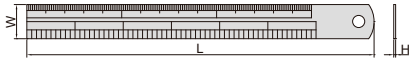


Code	Range	Graduation	Accuracy	Price (₹)
7119-150	150mm/6"	1mm, 1/64"	±0.15mm	63

STEEL RULES



7110-300



- Graduation: 0.5mm, 1mm, 1/64", 1/32", 1/16"
- Rigid rules
- Made of stainless steel
- Non-glare surface

ATTENTION:
BASIC MODEL

Code	Range	Accuracy	L	W	H	Remark	Price(₹)
7110-150	150mm/6"	±0.15mm	170	18	1.0	graduation on front and back	77
7110-200	200mm/8"	±0.15mm	220	18	1.0	graduation on front and back	87
7110-300	300mm/12"	±0.15mm	330	25	1.0	graduation on front and back	135
7110-3001	300mm/12"	±0.15mm	325	30	1.0	graduation on front and back	168
7110-500	500mm/20"	±0.15mm	530	30	1.2	graduation on front and back	282
7110-600	600mm/24"	±0.20mm	630	30	1.2	graduation on front and back	318
7110-1000	1000mm/40"	±0.20mm	1040	32	1.5	graduation on front and back	632
7110-1200	1200mm/48"	±0.22mm	1240	35	1.8	graduation on front	1252
7110-1500	1500mm/60"	±0.25mm	1550	38	1.8	graduation on front	1614
7110-2000	2000mm/80"	±0.30mm	2065	40	2.0	graduation on front	2387

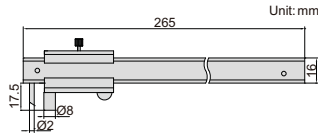
SCRIBER CALIPER



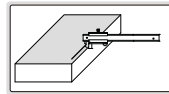
7202-200A

- Graduation: 0.1mm, 1/128"
- Made of stainless steel
- Satin chrome plated reading surface
- Carbide scriber tip
- Optional accessory:
carbide scriber tip (code SP-SCRIBER-7202)

The position of scriber tip can be adjusted



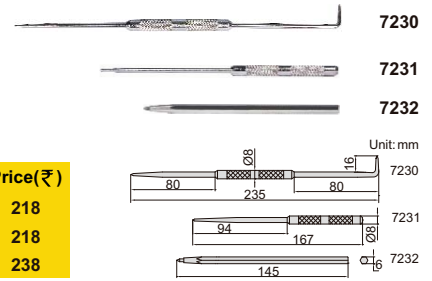
Code	Range	Accuracy	Price(₹)
7202-200A	0-200mm/0-8"	±0.1mm	2438



SCRIBERS

- Nickel plated

Code	Tip	Price(₹)
7230	hardened tips	218
7231	hardened tip	218
7232	carbide tip	238



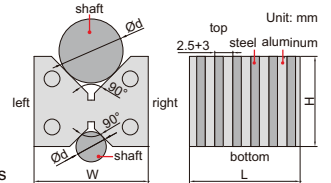
MAGNETIC INDUCTION V-BLOCK SET

ATTENTION: NO HARDENED SURFACE, DO NOT ROTATE WORKPIECES ON V-BLOCKS



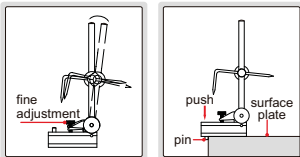
6899-1

- Parallelism of both V grooves to top, bottom, left and right sides: 10µm
- Hold cylindrical workpieces for inspection and machining
- To be used on magnetic chucks
- Two V-blocks per set
- V groove on the top for large shafts
- V groove on the bottom for small shafts
- Hardness HRB70

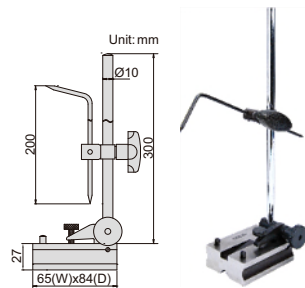


Code	Size (LxWxH)	Range of shafts (Ød)	Pole pitch	Height difference of a matched pair	Price(₹)
6899-1	55x60x48mm	6-50mm	2.5+3mm	10µm	3073

HEIGHT SCRIBER



- Grooved bottom for cylinder
- Two pins to be set against the edge of surface plate

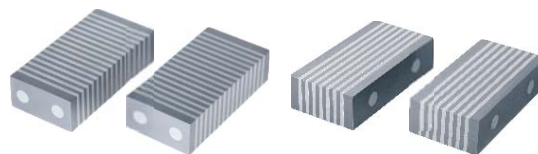
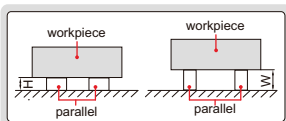


6990-300A

Code	Price(₹)
6990-300A	2163

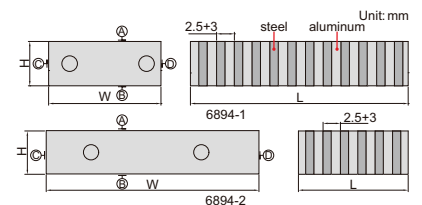
MAGNETIC INDUCTION PARALLEL SETS

ATTENTION: NO HARDENED SURFACE, DO NOT ROTATE WORKPIECES ON V-BLOCKS



6894-1

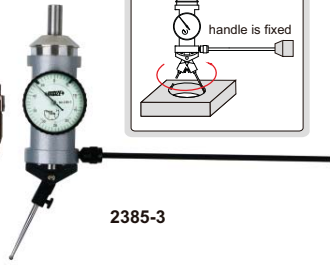
6894-2



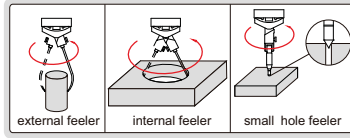
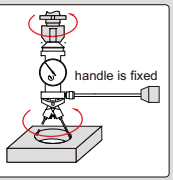
- To be used on magnetic chucks
- Two parallels per set
- Hardness HRB70

Code	Size (LxWxH)	Pole pitch	Parallelism between A and B	Parallelism between C and D	Height difference of a matched pair	Price(₹)
6894-1	100x50x25mm	2.5+3mm	10µm	10µm	10µm	4223
6894-2	50x100x25mm	2.5+3mm	10µm	10µm	10µm	4403

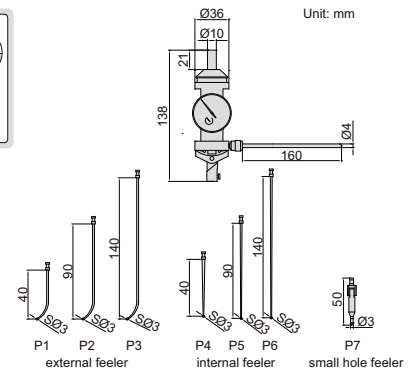
CENTERING INDICATOR



2385-3



Feeler	Measuring diameter	Accuracy
P1	Ø0-60mm	0.015mm
P2	Ø0-160mm	0.02mm
P3	Ø0-250mm	0.03mm
P4	Ø3.2-80mm	0.015mm
P5	Ø3.2-180mm	0.02mm
P6	Ø3.2-280mm	0.03mm
P7	Ø0-2.8mm	0.015mm



Code	Price(₹)
2385-3	8785

- Provides quick and accurate centering in boring and milling set-up

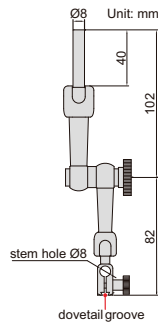
DIAL TEST INDICATOR CENTERING HOLDER



- Center cylinders or holes on machine tools
- Can be used with dial test indicators



6295-1A



Code	Price(₹)
6295-1A	1702

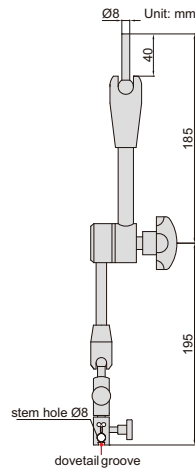
INDICATOR CENTERING HOLDER



- Center cylinders or holes on machine tools
- Can be used with dial test indicators or dial indicators



6294-1A



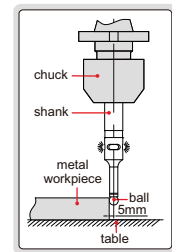
Code	Price(₹)
6294-1A	2060

ELECTRONIC EDGE FINDERS



6566-2

6566-3



- Accuracy: 5µm
- The shank is electrically conducted to the metal workpiece through the chuck and table, the LED lights up and the beeper sounds (only for 6566-3), when the ball touches the workpiece
- Not suitable for rotary use
- Hardened shank and contact ball

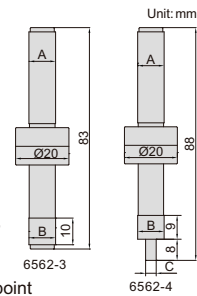
Code	Shank (A)	Contact ball (B)	Beeper	Battery	Price(₹)
6566-2	Ø20mm	SØ10mm	without	23AE, 12Vx1pc	4339
6566-3	Ø20mm	SØ10mm	with	23AE, 12Vx1pc	5880

EDGE FINDERS



6562-3

6562-4



- Hardened shank and contact point
- Suitable for machine speed 400-600rpm

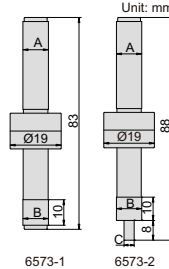
Code	Shank(A)	Contact point (B)	Contact point (C)	Accuracy	Price(₹)
6562-3	Ø10mm	Ø10mm	—	5µm	1701
6562-4	Ø10mm	Ø10mm	Ø4mm	5µm	1745

NON-MAGNETIC EDGE FINDERS



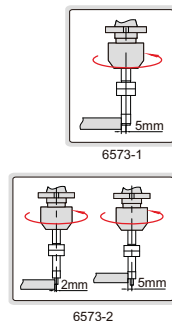
6573-1

6573-2



6573-1

6573-2



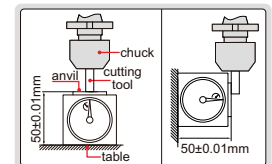
- Non-magnetic
- TIALN coating, hardness HV2500, extremely wear resistance

Code	Shank(A)	Contact point (B)	Contact point (C)	Accuracy	Price(₹)
6573-1	Ø10mm	Ø10mm	—	5µm	6577
6573-2	Ø10mm	Ø10mm	Ø4mm	5µm	6929

ZERO SETTER

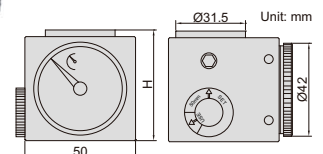


2397-502A



- Magnetic base
- Accuracy: ±10µm
- Test force: 9N (at 50mm)

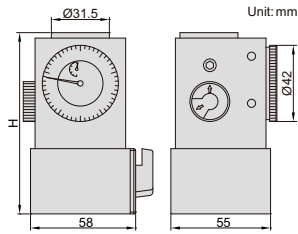
Code	Height (H)	Price(₹)
2397-502A	50mm	12303



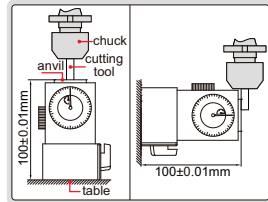
ZERO SETTER



2394-100A



Unit: mm



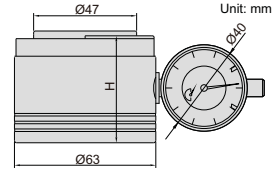
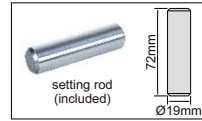
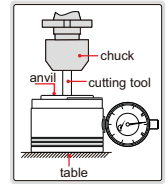
- Magnetic base with on-off switch
- Accuracy: ±10µm
- Test force: 9N (at 100mm)

Code	Height (H)	Price(₹)
2394-100A	100mm	15241

ZERO SETTER



6556-50



Unit: mm

Code	Height (H)	Accuracy	Test force	Price(₹)
6556-50	50mm	±10µm	10N (at 50mm)	19672

DIGITAL HORIZONTAL SCALES

DATA OUTPUT

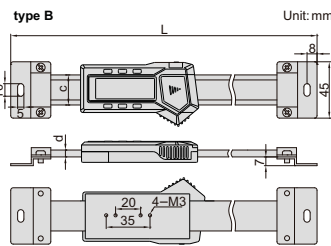
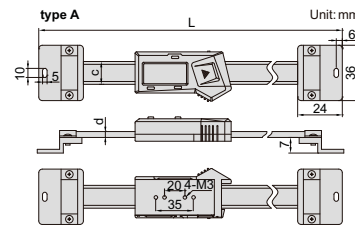
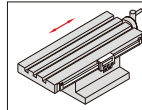


7101-300A



7101-400A

example of application

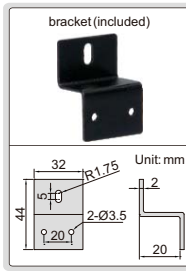


- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Supplied with bracket to be mounted on the back
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)

- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Absolute and incremental measurement
- Battery CR2032
- Data output
- Made of stainless steel
- Supplied with bracket to be mounted on the back
- Optional accessory: data output cable (code 7306-20, 7315-20, 7302-SPC5A, 7305-SPC2A, 7305-A01)

(mm)

Code	Range	Type	Accuracy	L	c	d	Price(₹)
7101-100A	100mm	A	±0.02mm	215	16	4	3479
7101-150A	150mm	A	±0.03mm	265	16	4	4117
7101-200A	200mm	A	±0.03mm	315	16	4	5380
7101-300A	300mm	A	±0.04mm	445	16	4	7977
7101-400A	400mm	B	±0.05mm	590	24	5.5	10549
7101-500A	500mm	B	±0.05mm	790	24	5.5	13422
7101-600A	600mm	B	±0.08mm	990	24	5.5	16614
7101-800A	800mm	B	±0.10mm	990	24	5.5	24890
7101-1000A	1000mm	B	±0.10mm	1190	31	10.5	34308



DIGITAL VERTICAL SCALES

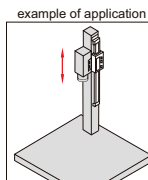
DATA OUTPUT

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, ABS/INC, data hold, TOL, set
- ABS/INC is for absolute and incremental measurement
- TOL is for tolerance measurement
- Battery LR44
- Data output
- Made of stainless steel
- Supplied with bracket to be mounted on the back
- Optional accessory: data output cable (code 7302-SPC7, keyboard format)

(mm)

Code	Range	Accuracy	B	C	D	E	F	L	Price(₹)
7102-100	100mm/4"	±0.02mm	4	20	6	24	40	245	4913
7102-150	150mm/6"	±0.03mm	4	20	6	24	40	296	5956
7102-200	200mm/8"	±0.03mm	4	20	6	24	40	345	6494
7102-300	300mm/12"	±0.04mm	4	20	6	24	40	445	9237

Sizes available up to 1000mm



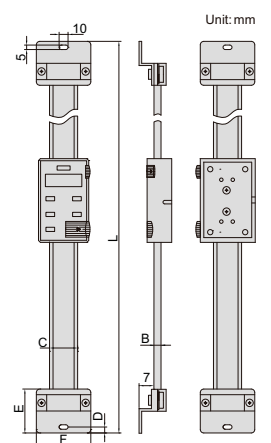
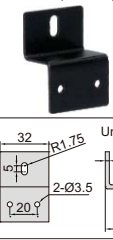
7102-300

data output cable



7302-SPC7

bracket (included)



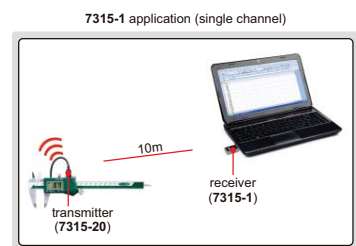
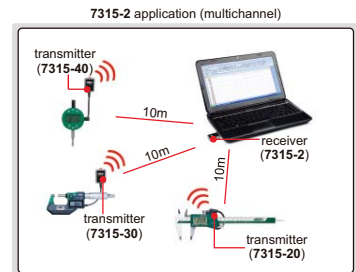
Unit: mm

DATA TRANSFER SYSTEM

Code	Description	Plug to product	Remark	Price(₹)
7315-2	multichannel receiver		Connected with maximum 8 transmitters, each transmitter has ID code, text format virtual com port, converted to keyboard format (same as keyboard typewrite input into EXCEL, WORD etc.) with supplied software	17938
7315-1	single channel receiver		Connected with 1 transmitter only, can change the transmitter, keyboard format (same as keyboard typewrite input into EXCEL, WORD etc., without software)	5938
7315-20	transmitter		for digital calipers for digital depth gages for 1156 series digital height gages	4460
7315-30	transmitter		for digital micrometers for digital three points internal micrometers	4460
7315-40	transmitter		for digital indicators	4460
7315-50	transmitter		for digital thickness gages for digital internal/external caliper gages for digital protractors	4548



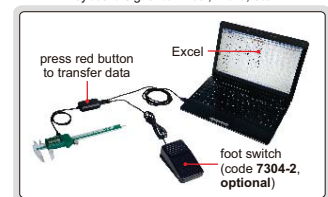
■ Transfer distance is 10 meter



DATA OUTPUT CABLES (KEYBOARD FORMAT)



without software, data can be input as keyboard signal to Excel, Word, etc.



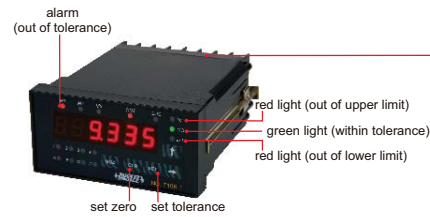
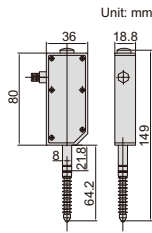
Code	Description	Plug type to product	Socket type on product	Plug type to computer	Applicable products	Price(₹)
7302-SPC5A	cable for digital calipers (length 2.5m)			USB	for digital calipers for digital depth gages for digital height gages	4500
7302-SPC6	cable for digital micrometers (length 2.5m)				for digital micrometers for digital three points internal micrometers	4907
7302-SPC3A	cable for digital indicators (length 2.5m)				for digital indicators	4846
7302-SPC3B					for digital thickness gages for digital internal/external caliper gages for digital protractors	5093
7304-2	data transfer foot switch with cable (length 1.5m)					
7302-HUB	HUB converter (length 0.3m, for USB ports to computer)					896

LINEAR GAGES AND DISPLAY UNIT

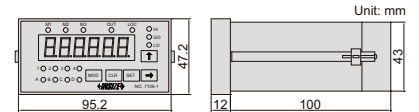
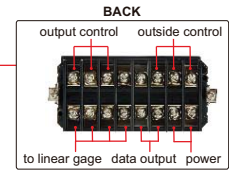
LINEAR GAGE
IP65
WATERPROOF



linear gage



display unit
7106-1



- Linear gage: shock-proof, water proof, dust proof, suitable for high speed movement, long working life
- Display unit: set tolerance and make judgment (out of upper limit, within tolerance, out of lower limit), output the judgment to control outside devices, set zero and hold reading from outside

LINEAR GAGE SPECIFICATION

Code	7106-11	7106-12
Price(₹)	11356	17662
Measuring range	12mm	12mm
Resolution	0.01mm	0.001mm
Accuracy	20µm	5µm
Hysteresis	10µm	2µm
Measuring principle	capacity system	
Voltage	5V	
Sampling frequency	100 times/sec.	
Working life	ten million times	
Dust/waterproof	IP65	
Measuring force	1.5N	
Cable length	2m	
Data output	four-core wire	

DISPLAY UNIT SPECIFICATION

Code	7106-1
Price(₹)	9779
Display	6 digits
Quantity of linear gages to be connected	1pc
Tolerance	set tolerance and make judgment with alarm and lights (out of upper limit, within tolerance, out of lower limit)
Output control	output the tolerance judgment (out of upper tolerance, within tolerance, out of lower tolerance) to control outside devices
Outside control	control the display units from outside (set zero, hold reading)
Data output	connect to PC
Power supply	DC 9~24V

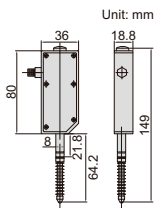
MULTI LINEAR GAGE SYSTEM



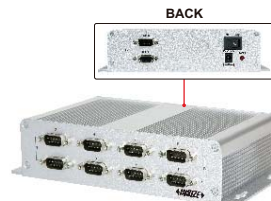
LINEAR GAGE
IP65
WATERPROOF



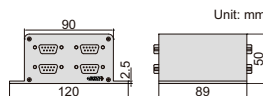
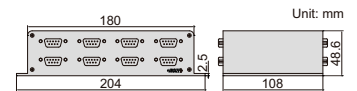
linear gage



4-channel interface box
7107-1



8-channel interface box
7107-2



software CD (included)



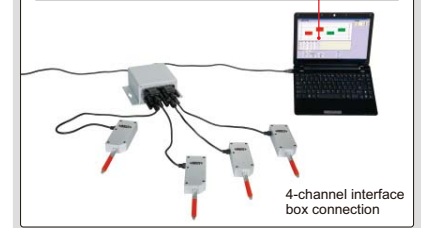
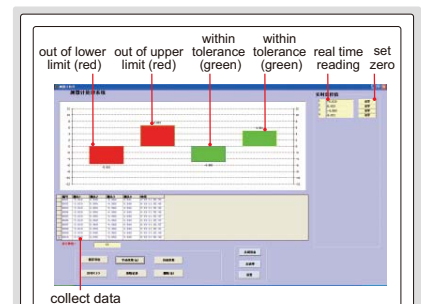
LINEAR GAGE SPECIFICATION

Code	7107-11	7107-12
Price(₹)	11356	17662
Measuring range	12mm	12mm
Resolution	0.01mm	0.001mm
Accuracy	20µm	5µm
Hysteresis	10µm	2µm
Measuring principle	capacity system	
Voltage	5V	
Sampling frequency	100 times/sec.	
Working life	ten million times	
Dust/waterproof	IP65	
Measuring force	1.5N	
Cable length	2m	
Data output	RS232	

- Software is supplied with interface boxes. In the software, it is possible to set tolerance of each channel and show judgment (red when out of tolerance, green when within tolerance), set zero, collect data manually or automatically (time is adjustable), output data to Excel, print report

INTERFACE BOX SPECIFICATION

Code	7107-1	7107-2
Price(₹)	9779	16085
Quantity of linear gages to be connected	4pcs	8pcs
Data port	RS232 and RS485	
Power supply	DC 9~24V	



PROFILE PROJECTOR CODE ISP-Z3015

Screen diameter: 300mm

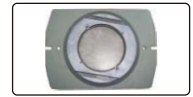
X-Y travel: 150x50mm

INSPECTION
CERTIFICATE

OPTIONAL ACCESSORY



lens

rotary table
(glass plate diameter 100mm)overlay chart
(protractor with 1° graduation,
radius with 1mm increment)

holder with clamp



swivel center support



V-block with clamp

50mm reading scale
(check magnification accuracy)300mm calibration scale (check
magnification accuracy together
with 50mm reading scale or
calibrate measuring accuracy)

blue filter



demo sample

SPECIFICATION

Price(₹)	539156				
Lens	magnification	10X (included)	20X (optional)	50X (optional)	100X (optional)
	view field	Ø30mm	Ø15mm	Ø6mm	Ø3mm
	working distance	77.7mm	44.3mm	38.4mm	25.3mm
Max. workpiece height	90mm	90mm	90mm	90mm	
Magnification accuracy	±0.08%				
Image	erect image				
Projector screen	diameter: Ø300mm				
	rotation range: 0°~360°, resolution: 1" or 0.01°				
	reference lines: cross-hairs				
Stage	metal stage size	340×152mm			
	glass stage size	196×96mm			
	X-Y stage travel	range: 150×50mm			
		resolution: 0.5µm			
	Z (focus) travel range	accuracy: (4+L/25)µm L is the measuring length in mm			
max. load capacity	90mm				
Illumination	contour illumination: 24V/150W halogen lamp, brightness is adjustable				
	surface illumination: 24V/150W halogen lamp				
Data processing unit	display	X-Y stage travel, screen rotation			
	output	RS232C			
Data processing unit	function	measure coordinate of point			
		measure coordinate of line			
		measure center coordinate, radius of circle with three points			
		measure distance between two objects			
		measure angle with four points or two lines			
		set origin of coordinate			
		coordinate transform			
		set midpoint of coordinate			
Power supply	110/220V, 50/60Hz				
Dimension (L×W×H)	550×770×1100mm				
Weight	135kg				

STANDARD DELIVERY

Main unit	1pc
10X lens with half-reflection mirror and oblique illuminator mirror	1pc
Overlay chart clip	4pcs
Foot-switch	1pc
Anti-dust cover	1pc

STANDARD DELIVERY

20X lens with half-reflection mirror and oblique illuminator mirror	ISP-Z3015-LENS20X
50X lens with half-reflection mirror	ISP-Z3015-LENS50X
100X lens with half-reflection mirror	ISP-Z3015-LENS100X
Rotary table	ISP-Z3015-TABLE
Overlay chart	ISP-Z3015-CHART
Holder with clamp	ISP-Z3015-HOLDER
Swivel center support	ISP-Z3015-SUPPORT
V-block with clamp	ISP-Z3015-VBLOCK
50mm reading scale	ISP-Z3015-SCALE50
300mm calibration scale	ISP-Z3015-RULE
Blue filter	ISP-Z3015-FILTER
Demo sample	ISP-Z3015-DEMO

VISION MEASURING SYSTEM

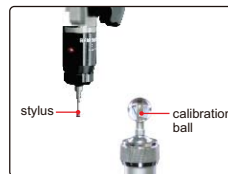


SPECIFICATION

Code	ISD-V150	ISD-V250	ISD-V300
Price(₹)	406623	458484	505451
Measuring range (X×Y×Z)	150×100×200mm	250×150×200mm	300×200×200mm
Stage size	354×228mm	450×280mm	500×330mm
Glass stage size	210×160mm	306×196mm	350×250mm
Resolution of X/Y/Z axis	0.5µm		
Accuracy of X/Y axis	≤(2.5+L/100)µm (L is the measuring length in mm)		
Repeatability of X/Y axis	2µm		
Objective	0.7X~4.5X (zoom)		
Working distance	92mm		
Magnification	33X~195X (on 19" monitor)		
Camera	1/3" color CCD, 0.3M pixel		
Illumination	surface and contour with adjustable LED		
Max. height of workpiece	160mm		
Max. weight of workpiece	20kg		
Operation system	Windows 7/8/10		
Drive method	manual		
Power supply	110/220V, 50/60Hz		
Dimension (L×W×H)	560×540×850mm	760×600×900mm	760×600×900mm
Weight	100kg	120kg	140kg



ISD-V250 computer is not included



probe (optional), includes Ø2mm and Ø3mm styli, Ø25mm calibration ball, measuring accuracy is 10µm



lens with coaxial light (optional, must be installed in factory)



software CD (included)

STANDARD DELIVERY

Main unit	1pc
Video card with dongle	1pc
Software disc	1pc
Calibration glass chart	1pc
Laser positioner	1pc
Clay	1pc
Foot switch	1pc
Anti-dust cover	1pc

OPTIONAL ACCESSORY

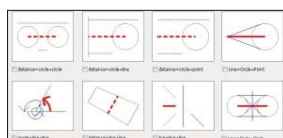
0.5X auxiliary objective	Code: ISD-V-OB05X Working distance: 175mm Magnification: 16.5~97.5X (on 19" monitor)
2X auxiliary objective	Code: ISD-V-OB2X Working distance: 36mm Magnification: 66~390X (on 19" monitor)
Probe	Code: ISD-V-PROBE Includes Ø2mm and Ø3mm styli, Ø25mm calibration ball
Lens with coaxial light	Code: ISD-V-LENS (must be installed in factory)
Vision measuring system with computer	Code: ISD-V150A, ISD-V250A, ISD-V300A

SOFTWARE

- Operation system: Windows 7/8/10
- Language: English
- Single measuring tools:

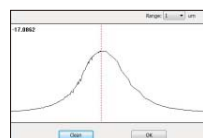
- | | | | |
|---|---|---|---|
| <input type="checkbox"/> measure coordinate of point | <input type="checkbox"/> measure center coordinate, diameter and area of circle | <input type="checkbox"/> measure distance between two points | <input type="checkbox"/> measure length and diameter of arc |
| <input type="checkbox"/> measure center coordinate and axis length of ellipse | <input type="checkbox"/> measure length, width and area of rectangle | <input type="checkbox"/> measure length, width and diameter of key slot | <input type="checkbox"/> measure width and diameter of ring |
| <input type="checkbox"/> measure length of open curve | <input type="checkbox"/> measure length and area of closed curve | <input type="checkbox"/> measure angle of two lines | <input type="checkbox"/> measure focus distance of urface |
| <input type="checkbox"/> measure distance of two elements | | | |

■ Combined measuring tools:

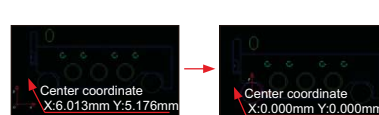


measure distance and angle of two elements

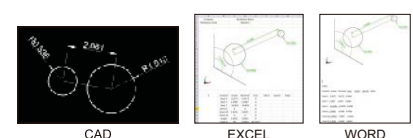
■ Focus indicator:



■ Coordinate transfer:



■ Data export to CAD, EXCEL and WORD



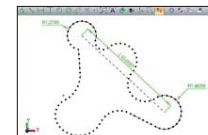
■ Profile detection:



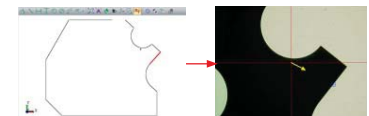
■ Edge-detection:



■ Contour scanning:



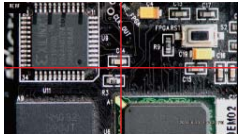
■ CAD measuring:



Input CAD drawing and set reference, then move the stage to make the target box in the center of crosshair, the software will do automatic measurement

DIGITAL AUTO FOCUS MICROSCOPE CODE 5302-AF105

AUTO FOCUS **TAKE PICTURES AND VIDEOS**

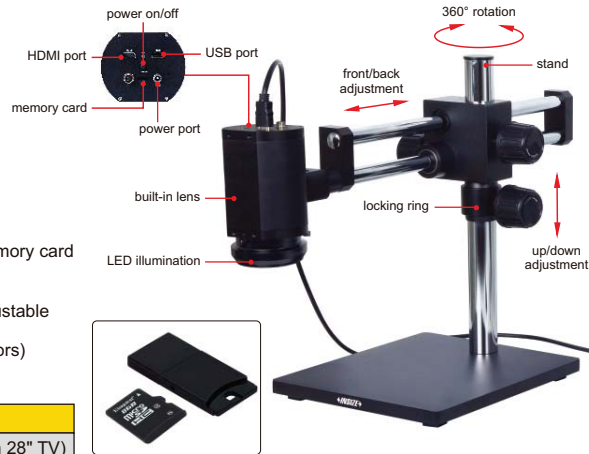


display cross hair
(blue/green/red/yellow/black/brown colors)

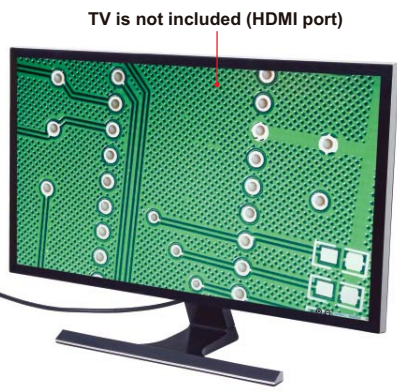
- 1080P high-definition image
- Auto focus camera
- Take pictures and videos, saved to memory card
- Connected to TV by HDMI port
- Automatic exposure and white balance
- Brightness, contrast ratio, gain are adjustable
- Display cross hair
(blue/green/red/yellow/black/brown colors)

SPECIFICATION

Price (₹)	134542
Magnification	1.8X~27.5X (on 28" TV)
Sensor	1/2.8" CMOS
Pixel	2M
Resolution	1920×1080
Frame rate	60fps
Auto Focus distance	100mm~∞
Output	HDMI
Power supply	power adapter
Dimension (L×W×H)	500×280×410mm
Weight	17kg



8G memory card and holder
(included)



STANDARD DELIVERY

Main unit (with stand)	1 pc
LED illumination	1 pc
8G memory card and holder	1 pc
Mouse	1 pc
HDMI cable (for TV)	1 pc
Power adapter	2 pcs

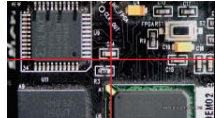
FOCUS DISTANCE, MAGNIFICATION AND VIEW FIELD (MANUAL FOCUS)

Focus distance (mm)	Magnification (on 28" TV)	View field (mm)
100mm	4.5~27.5X	24×14~161×90mm
150mm	3~21X	30×17~240×128mm
200mm	2.3~17.5X	38×20~305×176mm
250mm	2~15X	42×24~320×210mm
270mm	1.8~14.4X	43×25~378×240mm

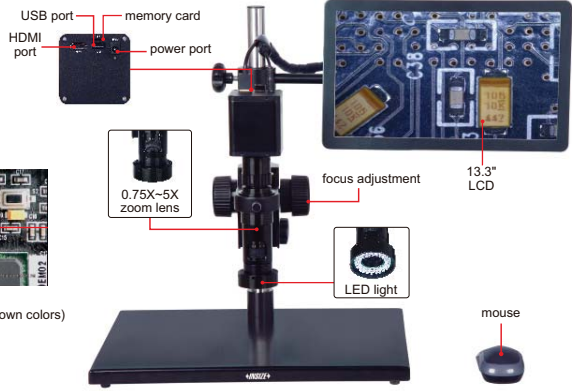
DIGITAL AUTO FOCUS MICROSCOPE (WITH DISPLAY)

AUTO FOCUS **TAKE PICTURES AND VIDEOS**

- 1080P high-definition image
- Auto focus camera
- Take pictures and videos, saved to memory card
- Automatic exposure and white balance
- Brightness, contrast ratio, gain are adjustable
- Display cross hair
(blue/green/red/yellow/black/brown colors)



display cross hair
(blue/green/red/yellow/black/brown colors)

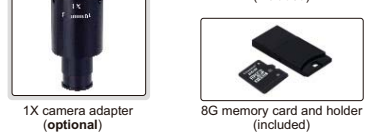
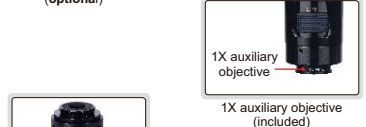
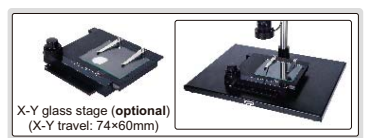


SPECIFICATION

Code	5303-AF103
Price (₹)	138876
Magnification	20X~123X
Sensor	1/2.8" CMOS
Pixel	2M
Resolution	1920×1080
Frame rate	60fps
Output	HDMI
Power supply	power adapter
Dimension (L×W×H)	570×300×430mm
Weight	6.5kg

OPTIONAL ACCESSORY

1X camera adapter	ISM-DL-CA1X
2X auxiliary objective	ISM-DL-OB2X
X-Y glass stage (travel: 74×60mm)	ISM-DL-STAGE
X-Y metal stage	ISM-DL-STAGE1
LED auxiliary lighting	ISM-DL-LED
Lens with coaxial light	ISM-DL-COAXIAL
Auxiliary objective lens	



MAGNIFICATION, FOCUS DISTANCE AND VIEW FIELD

Auxiliary Objective	Specification	Camera adapter	
		0.5X (included)	1X (optional)
1X (Included)	Magnification	20~123X	40~246X
	Focus distance	48~84mm	48~84mm
	View field	13×7~2.2×1mm	6.3×3.5~1.1×0.5mm
2X (optional)	Magnification	40~246X	80~492X
	Focus distance	24~42mm	24~42mm
	View field	6.5×3.5~1.1×0.5mm	3.3×1.8~0.6×0.3mm

STANDARD DELIVERY

Main unit	1 pc
0.5X camera adapter	1 pc
1X auxiliary objective	1 pc
8G memory card and holder	1 pc

White/black plate	1 pc
Mouse	1 pc
HDMI cable	1 pc
Power adapter	2 pcs

AUTO FOCUS DISTANCE

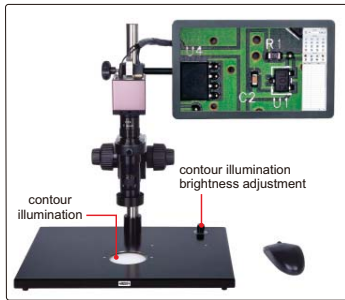
Zoom objective scale	0.75X	1X	1.5X	2X	2.5X
Auto focus distance	48~84mm	50~78mm	55~73mm	62~71mm	65~70mm
Zoom objective scale	3X	3.5X	4X	4.5X	5X
Auto focus distance	66~70mm	67~70mm	68~70mm	68~70mm	68~70mm

DIGITAL MEASURING MICROSCOPE (WITH DISPLAY)

TAKE PICTURES

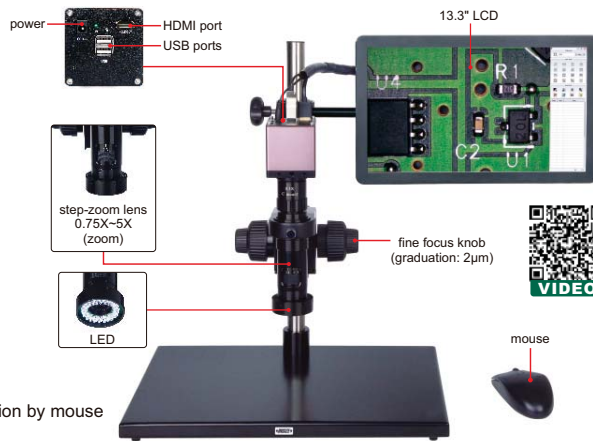
MEASUREMENT

BUILT-IN SOFTWARE WITHOUT COMPUTER



ISM-DL301 (with contour illumination)

- 1080P high-definition image
- Built-in software without computer, operation by mouse
- Take pictures, saved to USB flash disk
- Measurement results can be output to Excel
- Automatic white balance and exposure
- Brightness, contrast ratio, gain are adjustable



ISM-DL300 (without contour illumination)



1X camera adapter (optional)



calibration plate (included)



2X auxiliary objective (optional)



16G USB flash disk (included)



X-Y glass stage (optional) (X-Y travel: 74x60mm)



0.5X camera adapter (included)



1X auxiliary objective (included)

SPECIFICATION

Code	ISM-DL300 (without contour illumination)	ISM-DL301** (with contour illumination)
Price(₹)	134957	144468
Magnification	15X~100X	
Sensor	1/2" CMOS	
Pixel	2M	
Resolution	1920x1080	
Frame rate	60fps	
Output	HDMI	
Power supply	power adapter	power adapter and 220V, 50/60Hz**
Dimension (LxWxH)	570x300x430mm	
Weight	6.5kg	

**Add "-U" on code No. when power supply is 110V, 50/60Hz

STANDARD DELIVERY

Main unit	1 pc
0.5X camera adapter	1 pc
1X auxiliary objective	1 pc
Calibration plate	1 pc
16G USB flash disk	1 pc
White/black plate	1 pc
Mouse	1 pc
HDMI cable	1 pc
Power adapter	2 pcs

OPTIONAL ACCESSORY

1X camera adapter	ISM-DL-CA1X
2X auxiliary objective	ISM-DL-OB2X
X-Y glass stage (travel: 74x60mm)	ISM-DL-STAGE

MEASURING ACCURACY

Magnification	Measuring accuracy *
15X	±8μm
30X	±6μm
50X	±6μm
80X	±4μm
100X	±4μm
>100X	±4μm

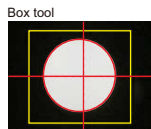
*When measuring the contour of workpieces, please select ISM-DL301 for high accuracy.

MAGNIFICATION, FOCUS DISTANCE AND VIEW FIELD

Auxiliary Objective	Specification	Camera adapter	
		0.5X (included)	1X (optional)
1X (included)	Magnification	15~100X	30~200X
	Focus distance	70±2mm	70±2mm
	View field	16x11~2.5x1.6mm	7.8x5.3~1.2x0.8mm
2X (optional)	Magnification	30~200X	60~400X
	Focus distance	29±2mm	29±2mm
	View field	7.8x5.3~1.2x0.8mm	3.8x2.7~0.6x0.4mm

SOFTWARE

- Language: English
- Output to Excel
- Edge-detection:

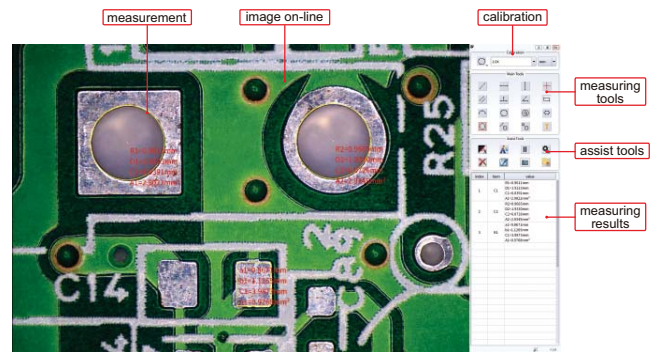


Measurement tools:

- ☑ measure length of line or distance between two points
- ☑ measure angle from horizontal line
- ☑ measure distance between two parallel lines
- ☑ measure distance between point and line
- ☑ measure radius, diameter, girth and area of circle with three points
- ☑ measure minimum distance between point and circle
- ☑ measure minimum distance between line and circle
- ☑ measure minimum distance between two circles
- ☑ add text

- ☑ measure length of line or distance between two points in horizontal direction
- ☑ measure angle from vertical line
- ☑ measure distance between three parallel lines
- ☑ measure radius, length and angle of arc
- ☑ measure radius, diameter, girth and area concentric of circles
- ☑ measure distance between point and center of circle
- ☑ measure distance between line and center of circle
- ☑ measure center distance between two circles
- ☑ measure radius, diameter, girth and area of circle with two points

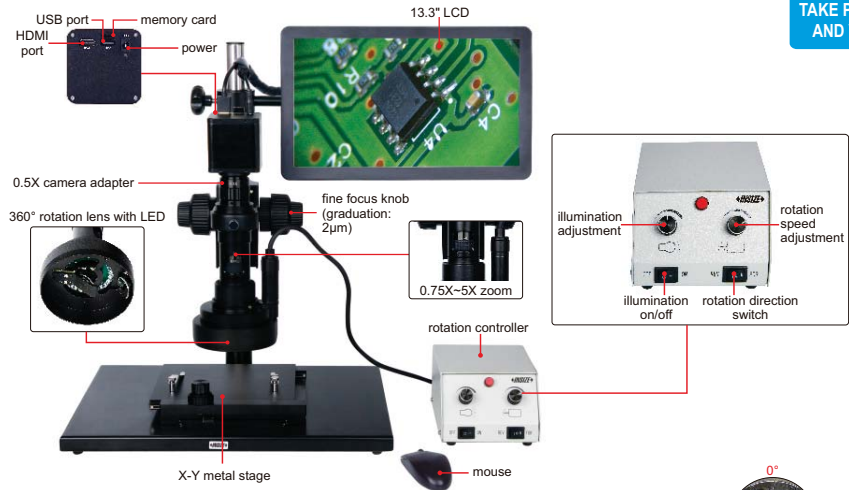
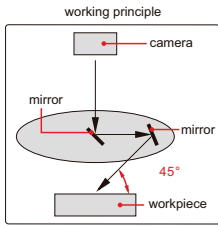
- ☑ measure length of line or distance between two points in vertical direction
- ☑ measure angle of two lines
- ☑ measure distance between multiple parallel lines
- ☑ measure girth and area of polygon
- ☑ measure length, width, girth and area of rectangle
- ☑ measure maximum distance between point and circle
- ☑ measure maximum distance between line and circle
- ☑ measure maximum distance between two circles
- ☑ cross hair



3D MOTORIZED ROTATION MICROSCOPE (WITH DISPLAY) CODE 5301-D400

SUITABLE TO CHECK CONVEX
OBJECTS AND WALL OF HOLE

TAKE PICTURES
AND VIDEOS



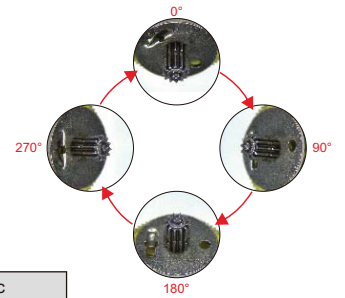
- 1080P high-definition 3D image
- Take pictures and videos, saved to memory card
- Automatic white balance and exposure
- Brightness, contrast ratio, gain are adjustable

SPECIFICATION

Price (₹)	342346
Magnification	12X~75X
View field	3.6×2mm~24×14.5mm
Focus distance	26mm
View angle	45°
Sensor	1/2.8" CMOS
Pixel	2M
Resolution	1920×1080
Frame rate	60fps
Output	HDMI
Rotation speed	5~27RPM, stepless adjustment
Power supply	power adapter and 110/220V, 50/60Hz
Dimension (L×W×H)	570×300×430mm
Weight	10kg

STANDARD DELIVERY

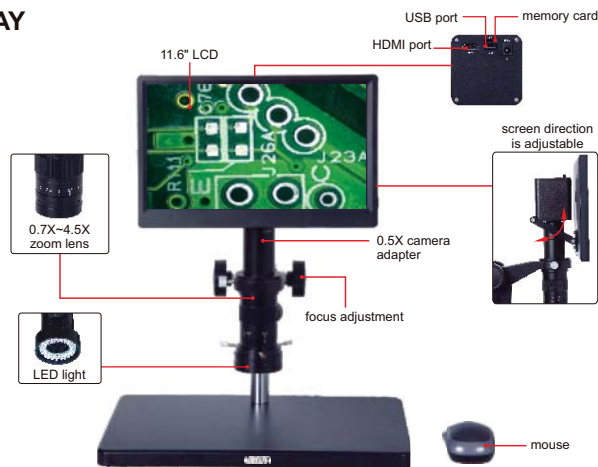
Main unit	1 pc
Rotation controller	1 pc
X-Y metal stage	1 pc
8G memory card and holder	1 pc
White/black plate	1 pc
Mouse	1 pc
Power adapter	2 pcs



DIGITAL MICROSCOPE WITH DISPLAY (ECONOMIC MODEL)

TAKE PICTURES
AND VIDEOS

- 1080P high-definition image
- Take pictures and videos, saved to memory card
- Automatic exposure and white balance
- Brightness, contrast ratio, gain are adjustable
- Display cross hair (blue/green/red/yellow/black/brown colors)



SPECIFICATION

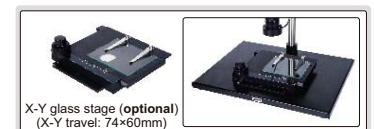
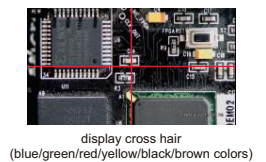
Code	5304-DL100
Price (₹)	64862
Magnification	28X~91X
Focus distance	28~78mm
View field	13×7mm~3×2mm
Sensor	1/2.8" CMOS
Pixel	2M
Resolution	1920×1080
Frame rate	60fps
Output	HDMI
Power supply	power adapter
Dimension (L×W×H)	380×260×500mm
Weight	4kg

STANDARD DELIVERY

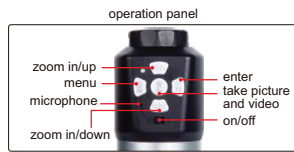
Main unit	1 pc
8G memory card and holder	1 pc
Mouse	1 pc
White/black plate	1 pc
Power adapter	2 pcs

OPTIONAL ACCESSORY

X-Y glass stage (travel: 74×60mm)	ISM-DL-STAGE
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DIGITAL MEASURING MICROSCOPE CODE ISM-DM40



- Connected to TV and computer
- Take pictures and videos, saved to memory card
- Measurement on computer with accuracy $\pm 0.01\text{mm}$
- Large working distance because focus distance of camera is adjustable
- Automatic white balance and exposure, white-black display mode
- Automatic power off

SPECIFICATION

Price (₹)	52491	
Magnification	15X~205X (on 19" monitor)	
Pixel	1.3M	
Sensor	1/3" CMOS	
Resolution	HDMI output	1920×1080, 1280×720, 640×480
	picture	2304×1536, 2304×1296, 1920×1080, 1280×720, 800×480
	video	1920×1080, 1280×720, 800×480
Output	USB/HDMI	
Power supply	5V (>500mA)	
Dimension (L×W×H)	273×205×310mm	
Weight	3.5kg	

STANDARD DELIVERY

Main unit	1pc
8G memory card and holder	1pc
HDMI cable (for TV)	1pc
USB cable and software (for computer)	1pc
Calibration rule (graduation 0.1mm)	1pc
Calibration rule (graduation 1mm)	1pc

OPTIONAL ACCESSORY

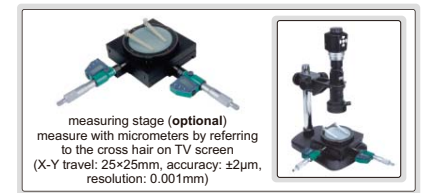
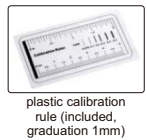
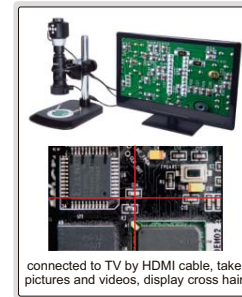
Measuring stage	ISM-DM40-STAGE
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TAKE PICTURES AND VIDEOS

MEASUREMENT (ON COMPUTER)

FOCUS DISTANCE OF CAMERA IS ADJUSTABLE



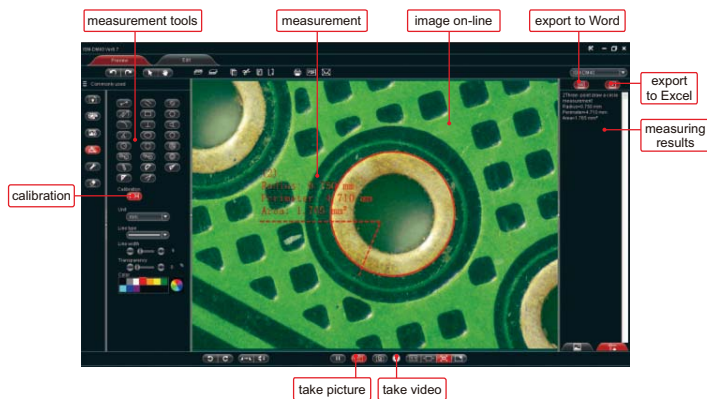
LENS SCALE, MAGNIFICATION AND FOCUS DISTANCE

Lens scale	Magnification (on 19" monitor)	Focus distance (mm)
0.7X	15~40X	24~252
1X	30~50X	27~155
2X	70~80X	81~117
3X	110~120X	94~111
4X	140~160X	101~110
5X	180~205X	103~109

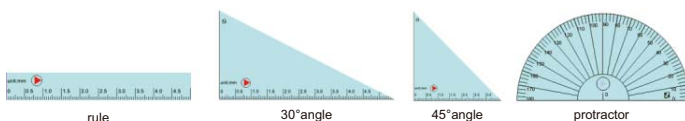
MAGNIFICATION, VIEW FIELD AND FOCUS DISTANCE

Magnification (on 19" monitor)	View field (mm)	Focus distance
15X	28×16	252mm
30X	13.5×7.5	155mm
50X	8×4.8	124mm
100X	4.2×2.4	110mm
150X	2.7×1.5	108mm
200X	2.1×1.2	105mm

SOFTWARE FOR COMPUTER



- **Comparison tools:**
Create rule, angle or protractor, to compare with workpieces.

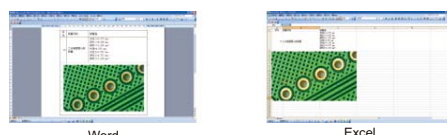


- **Language:** Chinese, English, Japanese, German, French
- **Operation system:** Windows XP/7/8/10

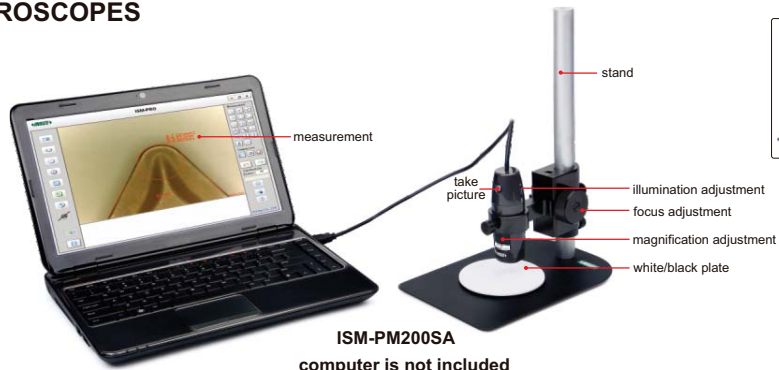
Measurement tools:

- measure length of line or distance between two points
- measure length of continuous line
- measure radius, length and angle of arc
- measure angle with three points
- measure distance between two circles
- measure distance between two parallel lines
- measure length, width, girth and area of rectangle
- measure distance between point and line
- measure axis lengths, girth and area of ellipse
- measure center distance between parallel lines
- measure circumference and area of polygon
- measure angle with two lines
- measure radius, girth and area of circle

Data export to Word or Excel:



DIGITAL MEASURING MICROSCOPES



- Can take pictures and videos
- Supplied with software

SPECIFICATION

Code	ISM-PM200SA	ISM-PM200SB	ISM-PM600SA	ISM-PM160LA
Price(₹)	18265	14817	19898	19035
Magnification	10X~200X	10X~200X	450X~600X	35X~160X
Focus distance	short focus distance	short focus distance	short focus distance	long focus distance
Stand	standard	universal	standard	standard
Focus support	included	included	not included	not included
Calibration rule	graduation 0.1 and 1mm	graduation 0.1 and 1mm	graduation 0.1mm	graduation 0.1 and 1mm
Pixel	2M (resolution: 1600×1200)			
Illumination	built-in adjustable LED			
Power supply	USB 2.0 cable (voltage required: 5±0.1V)			

OPTIONAL ACCESSORY

Green filter	ISM-PM-GREEN
Yellow filter	ISM-PM-YELLOW
Blue filter	ISM-PM-BLUE

MAGNIFICATION, FOCUS DISTANCE, VIEW FIELD AND ACCURACY

ISM-PM200SA/ISM-PM200SB			
Magnification	Focus distance	View field (mm)	Accuracy
50X	21mm	8.1×6.4	30μm
100X	13mm	3.9×3.1	15μm
150X	16mm	2.6×2.1	10μm
200X	19mm	1.8×1.5	8μm

ISM-PM600SB			
Magnification	Focus distance	View field (mm)	Accuracy
450X	1.4mm	0.85×0.67	6μm
500X	5.5mm	0.76×0.61	6μm
550X	8.6mm	0.69×0.55	5μm
600X	11.5mm	0.63×0.51	5μm

ISM-PM160LA			
Magnification	Focus distance	View field (mm)	Accuracy
50X	62mm	8.1×6.4	30μm
100X	45mm	3.9×3.1	15μm
160X	50mm	2.4×1.9	10μm

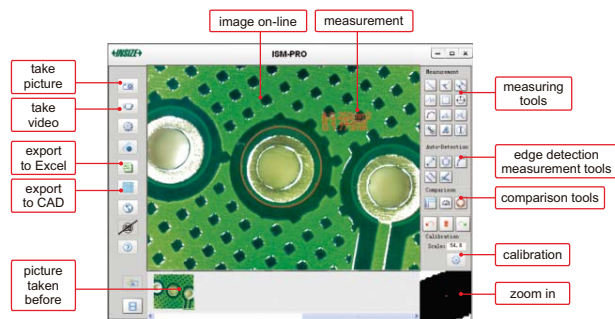
SOFTWARE

- Language:** English, Japanese, Korean, German, Turkey, Portuguese, Chinese
- Operation system:** Windows 7/8/XP/Vista
- Measuring tools:**

- measure length of line or distance between two points
- measure distance between point and line
- measure distance between two parallel lines
- measure length of continuous line
- measure area of rectangle
- measure radius, girth and area of circle
- measure radius, length and angle of arc
- measure distance between two circles
- measure angle with three points
- measure angle with two lines
- add text
- add number with circle

Edge detection measurement:

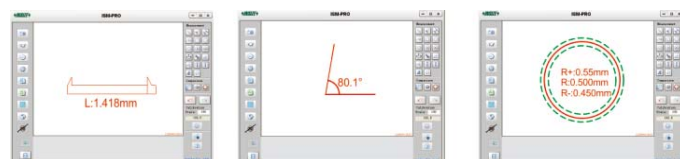
- detect line automatically, and calculate length
- detect arc automatically, and calculate radius, angle and arc length
- detect two lines automatically, and calculate angle
- detect circle automatically, and calculate radius, girth and area
- detect two parallel lines automatically, and calculate distance



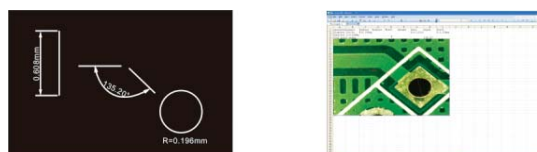
Comparison:

Create line, angle or circle with desired size, to compare with workpieces.

- create line
- create angle
- create circle with tolerance



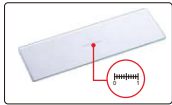
Data export to CAD or Excel:



WiFi DIGITAL MEASURING MICROSCOPE CODE ISM-WF200



plastic calibration rule
(graduation 1mm, included)



glass calibration rule
(graduation 0.1mm, included)



software CD
(included)

- Maximum working distance is 5m under WiFi mode
- Can be connected to multiple iPads, Android devices or computers at the same time under WiFi mode
- Take pictures and videos
- Supplied with software

SPECIFICATION

Price(₹)	14148
Magnification	10X~200X
Pixel	1.3M (resolution: 1280x1024)
Illumination	built-in adjustable LED
Power supply	built-in rechargeable battery

STANDARD DELIVERY

Microscope	1pc
Base support	1pc
Focus support ring for 80X/150X	1pc
Focus support ring for 60X/200X	1pc
Calibration rule (graduation 0.1mm)	1pc
Calibration rule (graduation 1mm)	1pc
USB cable and software	1pc
AC/DC adapter	1pc

OPTIONAL ACCESSORY

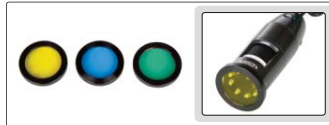
Stand	ISM-PM-STAND
Green filter	ISM-PM-GREEN
Yellow filter	ISM-PM-YELLOW
Blue filter	ISM-PM-BLUE



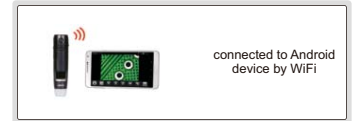
stand (code
ISM-PM-STAND, optional)



filter (optional)



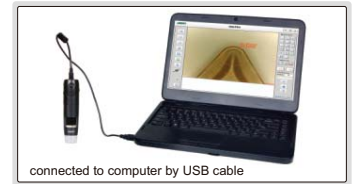
connected to iPad
by WiFi



connected to Android
device by WiFi



connected to computer by WiFi

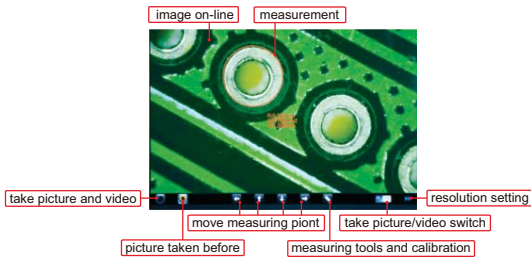


connected to computer by USB cable

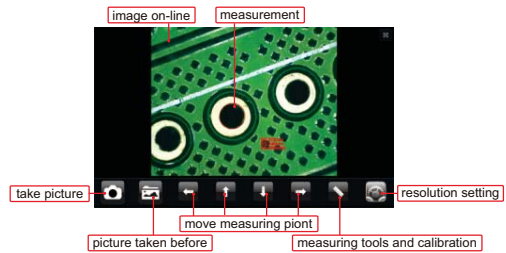
MAGNIFICATION, FOCUS DISTANCE, VIEW FIELD AND ACCURACY

Magnification	Focus distance	View field	Accuracy
50X	21mm	8.1×6.4mm	30μm
100X	13mm	3.9×3.1mm	15μm
150X	16mm	2.6×2.1mm	10μm
200X	19mm	1.8×1.5mm	8μm

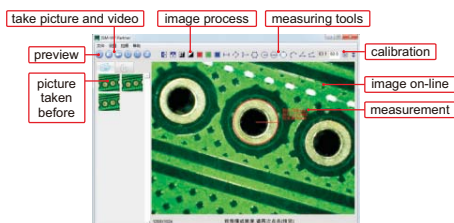
1 Software ISM-PAD (for iPad by WiFi)



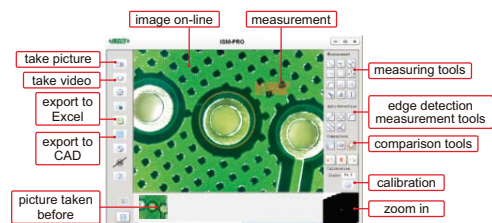
2 Software ISM-APK (for Android devices by WiFi)



3 Software ISM-WF Partner (for computer by WiFi)



4 Software ISM-PRO (for computer by USB cable)



TV DIGITAL MICROSCOPES

stand (code ISM-PM-STAND, optional)



- Connect to TV directly
- For observation, cannot take pictures and videos



ISM-TV200 (with wire)

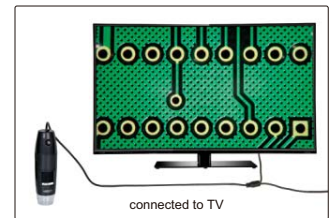


ISM-TV200W (wireless)

ATTENTION: NOT FOR MEASUREMENT, NOT SUITABLE FOR COMPUTERS

SPECIFICATION

Code	ISM-TV200	ISM-TV200W
Price (₹)	8336	13027
Type	with wire	wireless (maximum transmission distance 5m)
Magnification	10X~200X (on 17" TV)	
Pixel	0.35M	
Illumination	adjustable brightness LED	
Focus	supplied with focus ring, stand (ISM-PM-STAND) is optional	
Power supply	DC	built-in rechargeable battery



MAGNIFICATION, FOCUS DISTANCE AND VIEW FIELD

ISM-TV200			ISM-TV200W		
Magnification	Focus distance	View field	Magnification	Focus distance	View field
50X	21mm	8.1x6.4mm	60X	19mm	6.9x5.2mm
100X	13mm	3.9x3.1mm	80X	16mm	5.0x3.8mm
150X	16mm	2.6x2.1mm	150X	16mm	2.6x2.1mm
200X	19mm	1.8x1.5mm	200X	19mm	1.8x1.5mm

OPTIONAL ACCESSORY

Stand	ISM-PM-STAND
Green filter	ISM-PM-GREEN
Yellow filter	ISM-PM-YELLOW
Blue filter	ISM-PM-BLUE

INDUSTRIAL MICROSCOPES

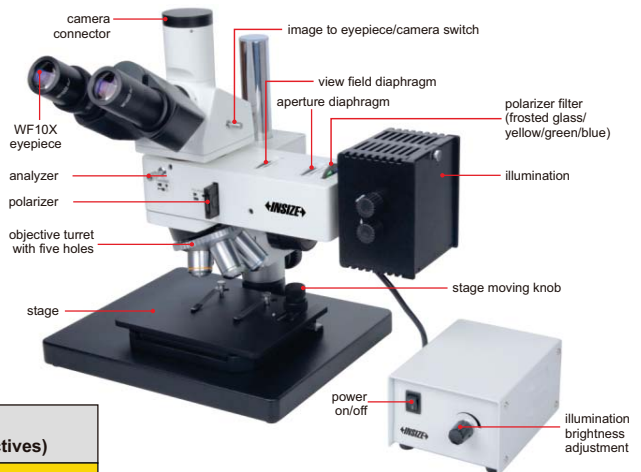
- Infinite optical system, polarization observation, dark field observation
- Kohler illumination system provides uniform illumination field
- Objective 50X is spring type

STANDARD DELIVERY

Main unit	1 pc
Anti-dust cover	1 pc

SPECIFICATION

Code	5101-M500** (bright field objectives)	5101-M500BD** (bright & dark field objectives)						
Price (₹)	139960	348734						
Illumination	6V/30W halogen lamp, brightness is adjustable	12V/50W halogen lamp, brightness is adjustable						
Objective (infinite plan achromatic)	bright field objectives				bright & dark field objectives			
	5X	10X	20X	50X	5X	10X	20X	50X
Working distance	26.1mm	20.2mm	8.80mm	3.68mm	9.70mm	9.30mm	7.23mm	2.50mm
Numerical aperture	0.12	0.25	0.40	0.70	0.12	0.25	0.40	0.70
Magnification	50X~500X							
Eyepiece (wide field)	10X (view field: Ø22mm)							
Stage	double layer							
	size: 160x140mm travel: 35x30mm							
Pupil distance	53~75mm							
Dioptr adjustment	±5 diopter (one eyepiece)							
Power supply	220V, 50/60Hz **							
Dimension (LxWxH)	415x345x380mm							
Weight	14kg							



OPTIONAL ACCESSORY

Bright field objective (for 5101-M500)	PL40X	5101-M-OB40X
	PL60X	5101-M-OB60X
	PL80X	5101-M-OB80X
	PL100X	5101-M-OB100X
Camera adapter		5101-M-ADAPTER
Bright & dark field objective (for 5101-M500BD)	PL40X	5101-M-BD40X
	PL60X	5101-M-BD60X
	PL80X	5101-M-BD80X
	PL100X	5101-M-BD100X
10X dividing eyepiece (0.1mm/div.)		5101-M-EPD10X
Integrated digital camera (with PAD)		ISM-ZS70

** Add "-U" on code No. when power supply is 110V, 50/60Hz

METALLURGICAL MICROSCOPES

- Infinite optical system, observation in reflected or transmitted illumination, polarizing observation and dark field observation
- Kohler illumination system provides uniform illumination field
- Objectives 40X, 60X are spring type

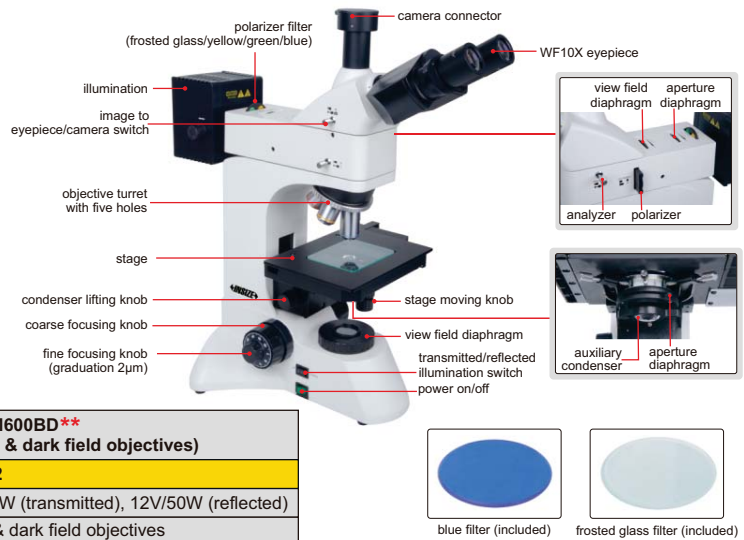
STANDARD DELIVERY

Main unit	1 pc
Anti-dust cover	1 pc
Filter (blue/frosted glass)	1 pc of each

SPECIFICATION

Code	5102-M600** (bright field objectives)	5102-M600BD** (bright & dark field objectives)						
Price (₹)	139651	366132						
Illumination	6V/30W (transmitted), 6V/30W (reflected)	12V/30W (transmitted), 12V/50W (reflected)						
Objective (infinite plan achromatic)	bright field objectives				bright & dark field objectives			
	5X	10X	40X	60X	5X	10X	20X	40X
Working distance	26.1mm	20.2mm	3.98mm	3.18mm	9.70mm	9.30mm	7.20mm	3.00mm
Numerical aperture	0.12	0.25	0.60	0.70	0.12	0.25	0.40	0.70
Magnification	50X-600X				50X-400X			
Eyepiece (wide field)	10X (view field: Ø22mm)							
	double layer							
Stage	size: 210×140mm							
	travel: 75×50mm							
Pupil distance	53-75mm							
Dioptr adjustment	±5 diopter (one eyepiece)							
Power supply	220V, 50/60Hz**							
Dimension (L×W×H)	456×260×498mm							
Weight	11kg							

**Add "-U" on code No. when power supply is 110V, 50/60Hz



OPTIONAL ACCESSORY

Bright field objective (for 5102-M600)	PL20X	5101-M-OB20X
	PL50X	5101-M-OB50X
	PL80X	5101-M-OB80X
	PL100X	5101-M-OB100X
Camera adapter		5101-M-ADAPTER
Bright & dark field objective (for 5102-M600BD)	PL50X	5101-M-BD50X
	PL60X	5101-M-BD60X
	PL80X	5101-M-BD80X
	PL100X	5101-M-BD100X
10X dividing eyepiece (0.1mm/div.)		5101-M-EPD10X
Integrated digital camera (with PAD)		ISM-ZS70

METALLURGICAL MICROSCOPES

- Infinite optical system, polarization observation, dark field observation
- Kohler illumination system provides uniform illumination field
- Objectives 50X, 100X are spring type

STANDARD DELIVERY

Main unit	1 pc
Polarizer and analyzer	1 pc of each
Anti-dust cover	1 pc

SPECIFICATION

Code	5103-M1000** (bright field objectives)	5103-M1000BD** (bright & dark field objectives)						
Price (₹)	181144	389016						
Illumination	6V/30W halogen lamp, brightness is adjustable	12V/50W halogen lamp, brightness is adjustable						
Objective (infinite plan achromatic)	bright field objectives				bright & dark field objectives			
	10X	20X	50X	100X	5X	10X	20X	50X
Working distance	20.2mm	8.80mm	3.68mm	0.40mm	9.70mm	9.30mm	7.23mm	2.50mm
Numerical aperture	0.25	0.40	0.70	0.85	0.12	0.25	0.40	0.70
Magnification	100X-1000X				50X-500X			
Eyepiece (wide field)	10X (view field: Ø22mm)							
	double layer							
Stage	size: 242×200mm							
	travel: 30×30mm							
Pupil distance	53-75mm							
Dioptr adjustment	±5 diopter (one eyepiece)							
Power supply	220V, 50/60Hz**							
Dimension (L×W×H)	614×250×394mm							
Weight	13kg							



OPTIONAL ACCESSORY

Bright field objective (for 5103-M1000)	PL5X	5101-M-OB5X
	PL40X	5101-M-OB40X
	PL60X	5101-M-OB60X
	PL80X	5101-M-OB80X
Bright & dark field objective (for 5103-M1000BD)	PL40X	5101-M-BD40X
	PL60X	5101-M-BD60X
	PL80X	5101-M-BD80X
	PL100X	5101-M-BD100X
10X dividing eyepiece (0.1mm/div.)		5103-M-EPD10X
Camera adapter		5101-M-ADAPTER

**Add "-U" on code No. when power supply is 110V, 50/60Hz

ZOOM STEREO MICROSCOPES

SPECIFICATION

Code	ISM-ZS50	ISM-ZS50T
Price(₹)	71173	71270
Optical tube	binocular	trinocular
Eyepiece (wide field)	10X (view field: Ø22mm)	
Objective	0.8X~5X (zoom)	
Zoom ratio	1:6.3	
Pupil distance	55-75mm (adjustable)	
Diopter adjustment	±5 diopter (two eyepieces)	
Working distance of objective	115mm	
Max. workpiece height	215mm	
Illumination	adjustable reflected and transmitted LED light	
Power supply	110/220V, 50/60Hz	
Dimension (L×W×H)	290x260x480mm	
Weight	4.9kg	

STANDARD DELIVERY

Main unit	1pc		
WF10X eyepiece	2pcs	Ø100mm white/black plate	1pc
Ø100mm glass plate	1pc	Anti-dust cover	1pc



OPTIONAL ACCESSORY

Auxiliary objective	0.5X	ISM-ZS50-OB05X
	2X	ISM-ZS50-OB2X
Eyepiece	10X dividing eyepiece (graduation 0.1mm/div.)	ISM-ZS50-EPD10X
	WF15X (view field: Ø16mm)	ISM-ZS50-EP15X
	WF20X (view field: Ø12mm)	ISM-ZS50-EP20X
Digital camera		ISM-D500
LED ring light		ISM-ZS-RL

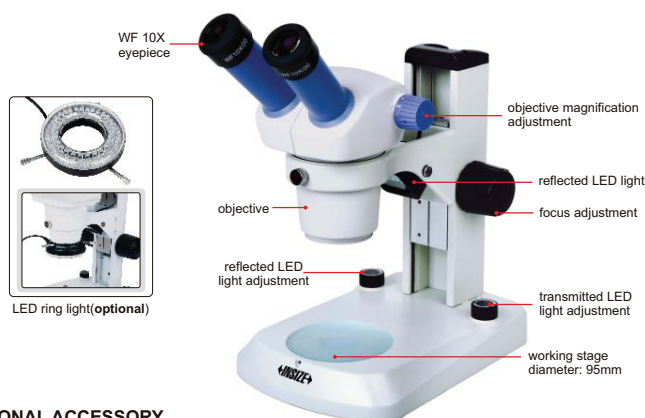
ZOOM STEREO MICROSCOPE CODE ISM-ZS30

SPECIFICATION

Price(₹)	34466
Optical tube	binocular
Eyepiece (wide field)	10X (view field: Ø20mm)
Objective	1X~4.5X (zoom)
Zoom ratio	1:4.5
Pupil distance	55~75mm (adjustable)
Diopter adjustment	±5 diopter (two eyepieces)
Working distance of objective	97mm
Max. workpiece height	147mm
Illumination	adjustable reflected and transmitted LED light
Power supply	110/220V, 50/60Hz
Dimension (L×W×H)	260×190×400mm
Weight	4.3kg

STANDARD DELIVERY

Main unit	1pc
WF 10X eyepiece	2pcs
Ø95mm glass plate	1pc
Ø95mm white/black plate	1pc
Anti-dust cover	1pc



OPTIONAL ACCESSORY

Auxiliary objective	0.5X	ISM-ZS30-OB05X
	0.63X	ISM-ZS30-OB06X
	0.75X	ISM-ZS30-OB07X
	2X	ISM-ZS30-OB2X
Eyepiece	10X dividing eyepiece (graduation 0.1mm/div.)	ISM-ZS30-EPD10X
	WF15X (view field: Ø16mm)	ISM-ZS50-EP15X
	WF20X (view field: Ø12mm)	ISM-ZS50-EP20X
Digital camera		ISM-D500
LED ring light		ISM-ZS-RL

LONG WORKING DISTANCE STEREO MICROSCOPE (LOW MAGNIFICATION) CODE 5306-ZS10

SPECIFICATION

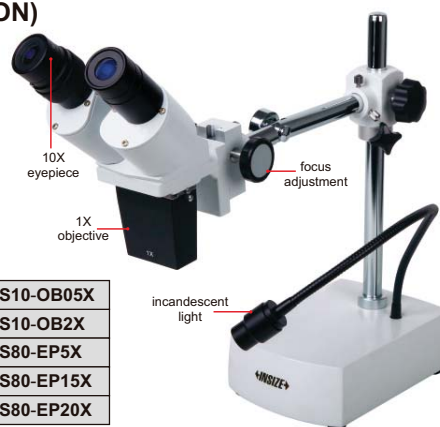
Price(₹)	21494
Magnification	10X
Eyepiece (wide field)	10X (view field: Ø20mm)
Objective	1X
Pupil distance	55~75mm
Diopter adjustment	±5 diopter (one eyepiece)
Working distance of objective	230mm
Max. workpiece height	60mm
Illumination	incandescent light (non-adjustable)
Dimension (L×W×H)	460x140x325mm
Weight	5.4kg

STANDARD DELIVERY

Main unit	1pc
10X eyepieces	1pair
1X objective	1pc
Anti-dust cover	1pc

OPTIONAL ACCESSORY

Objective	0.5X	5306-ZS10-OB05X
	2X	5306-ZS10-OB2X
Eyepiece	WF5X (view field Ø20mm)	5305-ZS80-EP5X
	WF15X (view field Ø15mm)	5305-ZS80-EP15X
	WF20X (view field Ø10mm)	5305-ZS80-EP20X



LONG WORKING DISTANCE STEREO MICROSCOPE (LOW MAGNIFICATION) CODE 5305-ZS80

SPECIFICATION

Price(₹)	10871
Magnification	8X
Eyeiece (wide field)	10X (view field: Ø20mm)
Objective	0.8X
Pupil distance	55~75mm
Diopter adjustment	±5 diopter (one eyepiece)
Working distance of objective	115mm
Max. workpiece height	100mm
Dimension (L×W×H)	280×160×370mm
Weight	3.7kg

STANDARD DELIVERY

Main unit	1pc
10X eyepieces	1pair
0.8X objective	1pc
Anti-dust cover	1pc



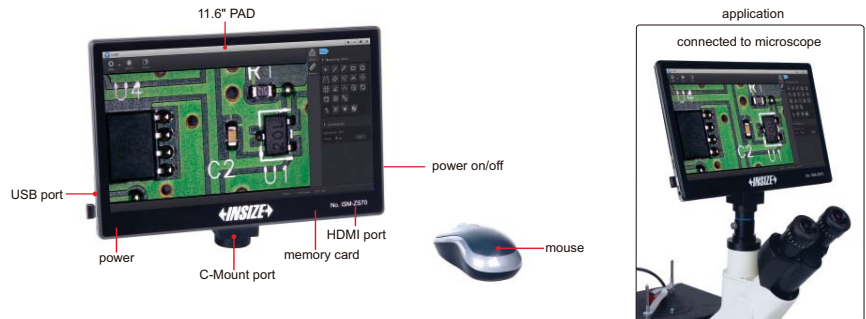
OPTIONAL ACCESSORY

Eyepiece	WF5X (view field Ø20mm)	5305-ZS80-EP5X
	WF15X (view field Ø15mm)	5305-ZS80-EP15X
	WF20X (view field Ø10mm)	5305-ZS80-EP20X
LED ring light		ISM-ZS-RL

DIGITAL CAMERA (WITH PAD) CODE ISM-ZS70S

MEASUREMENT, TAKE
PICTURES AND VIDEOS

ATTENTION: CAMERA CONNECTOR AND ADAPTER
ARE NEEDED ACCORDING TO MICROSCOPES



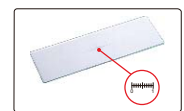
- Windows 10 operation system
- 1080P high-definition image
- Take pictures and videos
- Measurement with accuracy ±0.01mm
- Language: Chinese, English, Japanese, Korean, Russian
- Automatic white balance and exposure
- Brightness, contrast ratio, gain are adjustable

Measurement tools

- measure length of line or distance between two points
- measure length of continuous line
- measure distance between point and line
- measure radius with three points
- measure distance between two parallel lines
- measure area of rectangle
- measure angle with three points
- measure radius of concentric circles
- measure distance between multiple parallel lines
- measure area of polygon
- measure length of arc
- measure distance between two circles

SPECIFICATION

Price(₹)	71505
Sensor	1/2.3" CMOS
Pixel	2M
Resolution	1024×768, 1280×720, 1280×1024, 1600×1200, 1920×1080
Frame rate	30fps (1920×1080)
Memory	4G
Output	HDMI/USB 2.0
Power supply	power adapter
Dimension (L×W×H)	280×53×253mm
Weight	1.5kg



glass calibration rule (included, graduation 0.1mm)

STANDARD DELIVERY

Main unit	1 pc
Mouse	1 pc
Glass calibration rule (graduation 0.1mm)	1 pc
AC/DC adapter	1 pc

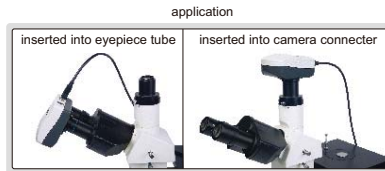
DIGITAL CAMERA CODE ISM-D500



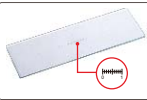
- Insert into eyepiece tube or camera connector of microscopes
- Supplied with software

SPECIFICATION

Price (₹)	24038
Sensor	1/2.5" CMOS
Pixel	5M
Resolution	2592×1944 or 1296×972
Frame rate	3fps (2592×1944) 12fps (1296×972)
Exposure	manual or auto, exposure time is adjustable
SNR	41dB
Power supply	USB
Weight	400g



software CD (included)



calibration rule (graduation 0.1mm, included)



connector Ø23.2/Ø30mm (included)

STANDARD DELIVERY

Main body	1pc
Adapter 0.45X	1pc
Calibration rule (graduation 0.1mm)	1pc
Connector Ø23.2/Ø30mm	1pc
USB cable	1pc
Software disc	1pc

OPTIONAL ACCESSORY

Connector Ø23.2/Ø30.5mm	ISM-DCA-CON
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PORTABLE MEASURING MICROSCOPES

SPECIFICATION

Code	ISM-PM20	ISM-PM40	ISM-PM50	ISM-PM100
Price (₹)	9068	8396	9870	8535
Total magnification	20X	40X	50X	100X
Eyepiece	10X with graduation	10X with graduation	10X with graduation	10X with graduation
Objective (achromatic)	2X (numerical aperture: 0.05)	4X (numerical aperture: 0.1)	5X (numerical aperture: 0.12)	10X (numerical aperture: 0.25)
Working distance	17.2mm	18mm	17.6mm	7mm
Graduation	0.05mm	0.025mm	0.02mm	0.01mm
Viewing field	Ø9mm	Ø4.5mm	Ø3.6mm	Ø1.8mm
Focus range	30mm			
Illumination	LED light			
Diameter of base	Ø63mm			
Height	210mm			
Weight	650g			



STANDARD DELIVERY

Main unit	1pc
Pen light	1pc
Battery (AAA)	2pcs

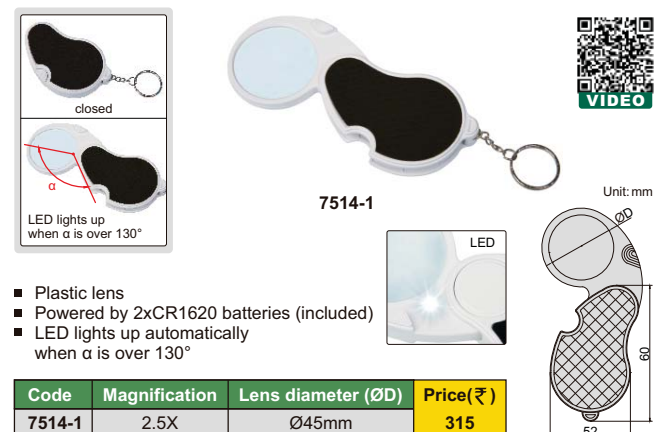
MAGNIFIERS WITH ILLUMINATION



- Glass lens
- Powered by 3xAAA batteries (included)

Code	Magnification	Lens diameter (ØD)	L	h	Price (₹)
7513-2	2X	Ø75mm	170	90	363
7513-4	4X	Ø50mm	145	90	333

FOLDING MAGNIFIER WITH ILLUMINATION



- Plastic lens
- Powered by 2xCR1620 batteries (included)
- LED lights up automatically when α is over 130°

Code	Magnification	Lens diameter (ØD)	Price (₹)
7514-1	2.5X	Ø45mm	315

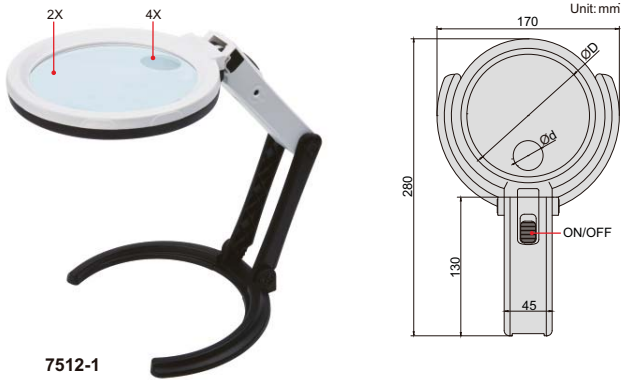
FOLDING MAGNIFIER WITH ILLUMINATION

- Glass lens
- Powered by 3xLR927 batteries (included)

Code	Magnification	Lens diameter (ØD)	Price (₹)
7515-10	10X	Ø21mm	399



THREE WAYS MAGNIFIER WITH ILLUMINATION

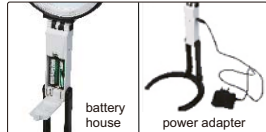


7512-1

- Plastic lens
- Powered by 2xAA batteries (included) or power adapter (110~240V, 50~60Hz)



three ways use



Code	Magnification	Lens diameter (ØD)	Lens diameter (Ød)	Price(₹)
7512-1	2X/4X	Ø120mm	Ø28mm	1075

FOLDING MAGNIFIER



- Glass lens

Code	Magnification	Lens diameter (ØD)	Price(₹)
7511-8	8X	Ø21mm	145

TABLE MAGNIFIER WITH ILLUMINATION CODE 7516-5D

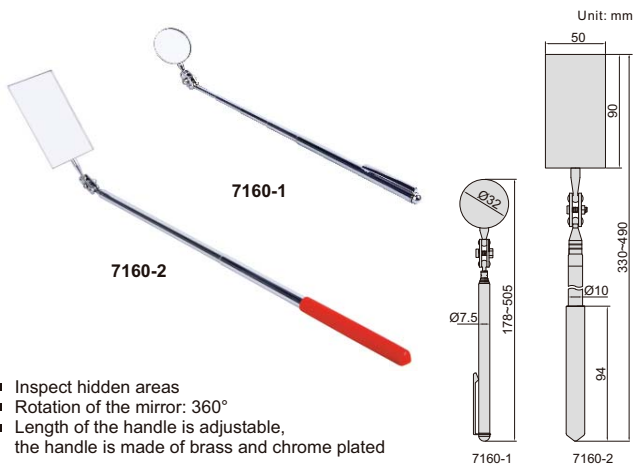


SPECIFICATION

Price(₹)	3770
Magnification	2.25X
Diopter	5D
Lens diameter	Ø122mm
Illumination	power: 7W, illuminance: 420lm
Power supply	100~240V, 50~60Hz

7516-5D

TELESCOPING INSPECTION MIRRORS



7160-1

7160-2

- Inspect hidden areas
- Rotation of the mirror: 360°
- Length of the handle is adjustable, the handle is made of brass and chrome plated

Code	Size of mirror	Length	Price(₹)
7160-1	Ø32mm	178~505mm	477
7160-2	50x90mm	330~490mm	1140

TABLE MAGNIFIER WITH ILLUMINATION CODE 7517-3D



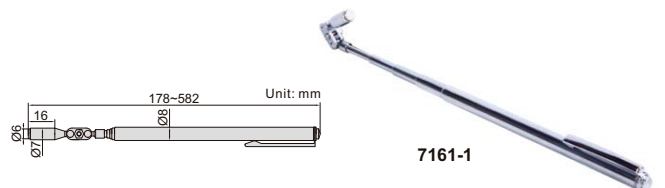
SPECIFICATION

Price(₹)	3392
Magnification	1.75X
Diopter	3D
Lens diameter	Ø125mm
Illumination	power: 3W, illuminance: 260lm
Power supply	100~240V, 50~60Hz

TELESCOPING MAGNETIC PICK-UP

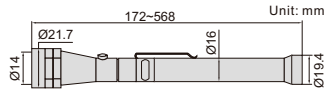
- Pick up metal parts from hidden areas
- Rotation of the magnetic head: 360°
- Length of the handle is adjustable, the handle is made of brass and chrome plated

Code	Size of magnetic tip	Magnetic force	Length	Price(₹)
7161-1	Ø6mm	0.45kgf	178~582mm	513



7161-1

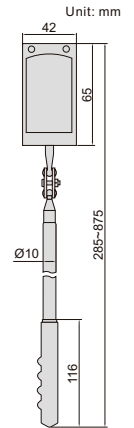
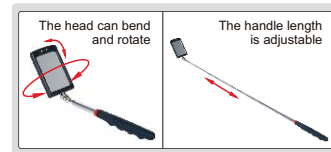
TELESCOPING MAGNETIC PICK-UP AND FLASHLIGHT



- Flashlight range: 3m
- For illumination and pick up metal parts in hidden areas
- The head can bend
- Telescoping handle, made of stainless steel
- Magnetic head and end
- With four LR44 batteries

Code	Magnetic end	Magnetic head	Battery life	Length	Price(₹)
7163-1	4kgf	2kgf	8h	172-568mm	553

TELESCOPING INSPECTION MIRROR (WITH ILLUMINATION)



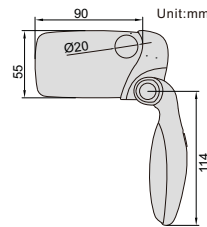
- Inspect hidden areas
- The head can bend and rotate
- Telescoping handle, made of stainless steel
- With two CR2032 batteries

Code	Size of mirror	Length	Price(₹)
7162-1	65x42mm	285-875mm	411

MAGNIFIER WITH ILLUMINATION

- Two magnifications
- LED illumination
- Powered by 2 pcs AAA batteries (included)
- Resin lens

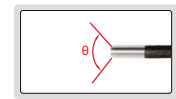
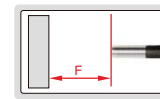
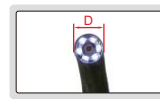
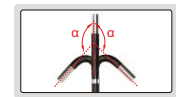
Code	Magnification	Lens size	Price(₹)
7518-26	2X/6X	90x55mm	674



MANUAL 360° SWIVEL VIDEOSCOPIES

TUNGSTEN WIRE WEAVED CABLE
RESISTANCE TO BREAK AND WEAR

IP64
WATERPROOF



SPECIFICATION

Code	ISV-2000DS	ISV-3000DS
Price(₹)	291204	416967
Lens	diameter (D)	6.5mm
	focus distance (F)	15mm~∞
	bending range (α)	±160°
	angle of view (θ)	90°
	illumination	8 pcs LED
	pixel	0.44M
	resolution	800×480
	dust/waterproof	IP64
	bend control	manual joystick
	Cable	length
type		tungsten wire weaved cable
Main unit	function	take picture, take video
	file format	picture: JPG, video: AVI
	image process	brightness, image quality zoom (1X, 2X, 3X)
	memory	8G SD card
	output	TV, USB
power supply	rechargeable battery	(for 4 hours working)
	AC/DC adapter	(for continuous working)
Weight	650g	600g

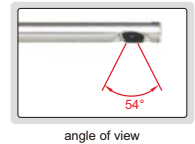
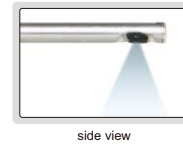
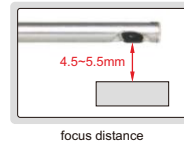
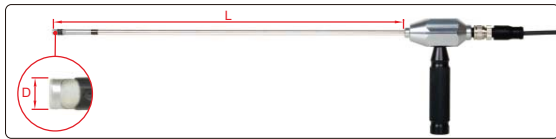
STANDARD DELIVERY

Main unit	1 pc
Cable with lens	1 pc
8G SD card	1 pc
AC/DC adapter	1 pc
Video output cable	1 pc
USB cable	1 pc



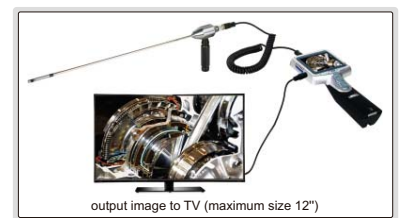
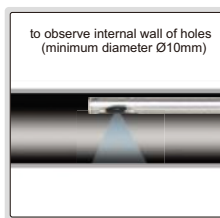
SIDE VIEW VIDEOSCOPE (RIGID) CODE ISV-RV

IP57
WATERPROOF



SPECIFICATION

Price(₹)	81357
Diameter (D)	5.5mm
Length (L)	350mm
Dust/waterproof lens	IP57
Pixel	0.3M
Resolution	640x480
Frame rate	30fps
Function	take picture, take video
File format	picture: JPG, video: AVI
Memory	2G SD card
Output	TV, USB
Power supply	rechargeable battery (for 3 hours working)
Weight	570g

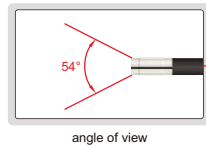
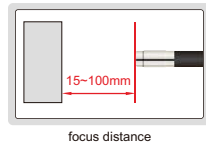
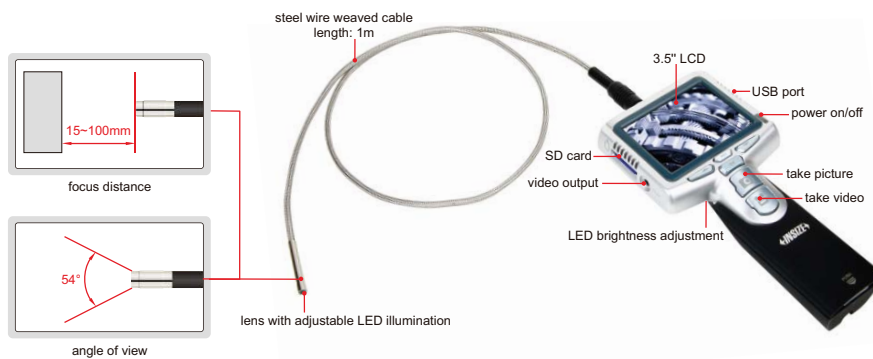


STANDARD DELIVERY

Main unit	1pc
2G SD card	1pc
AC/DC adapter	1pc
Video output cable	1pc
USB cable	1pc

VIDEOSCOPE CODE ISV-E10

ATTENTION: THE CABLE CAN BE BENT BUT CAN'T BE SET AT A FIXED SHAPE



OPTIONAL CABLE
LENGTH 3M, 5M AND 10M

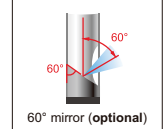
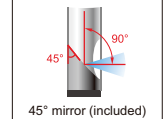
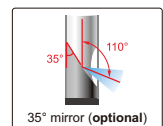
IP65
WATERPROOF

SPECIFICATION

Price(₹)	74809	
Lens	diameter	5.5mm
	pixel	0.3M
	resolution	640x480
Cable	frame rate	30fps
	length	1m
Main unit	type	steel wire weaved cable
	function	take picture, take video
	file format	picture: JPG, video: AVI
	image process	brightness, contrast, color saturation
	memory	2G SD card
	output	TV, USB
power supply	rechargeable battery (for 3 hours working)	
Weight	450g	

STANDARD DELIVERY

Main unit	1pc
Cable with lens	1pc
2G SD card	1pc
45° mirror	1pc
AC/DC adapter	1pc
Video output cable	1pc
USB cable	1pc
Lens cleaning kit	1pc



OPTIONAL ACCESSORY

35° mirror	ISV-E55-M35
60° mirror	ISV-E55-M60

ROUGHNESS TESTER(SEPARABLE TYPE) CODE ISR-C300

CAN BE OPERATED BY
COMPUTER OR MOBILE PHONE

DATA
OUTPUT

BLUETOOTH

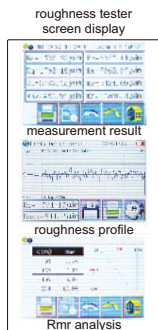
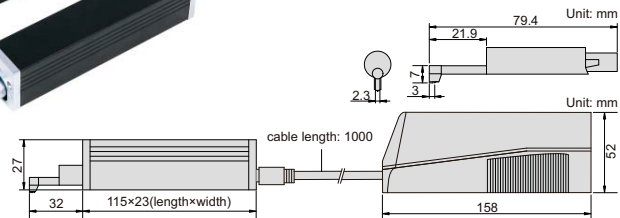
- Roughness tester can be operated by mobile phone (only android system) or computer
- Data can be output to Excel by connecting with computer via bluetooth or USB cable
- Support bluetooth printer
- 22 roughness parameters
- Meet ISO, DIN, ANSI, JIS standards
- Display roughness values, profile and curve
- Memory of maximum 100 data and waveform
- Built-in lithium battery, working time more than 50 hours
- Automatic power off



software CD (included)



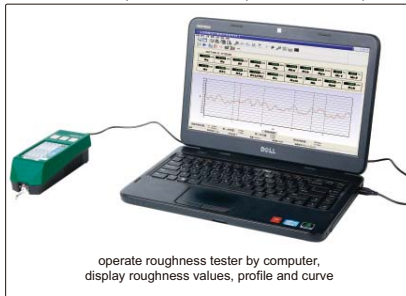
probe and main unit can be combined together



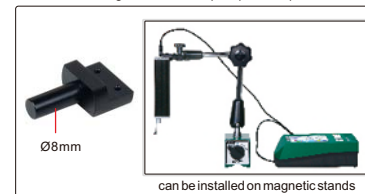
connect mobile phone via bluetooth (only android system)



connect computer via USB cable (software is included)



magnetic stand adapter (included)



height gage adapter (optional)



data can be output to Excel by connecting computer via bluetooth or USB cable



adjustable stand (included)



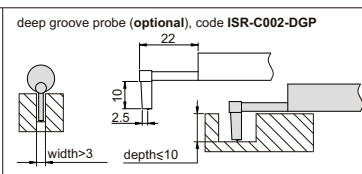
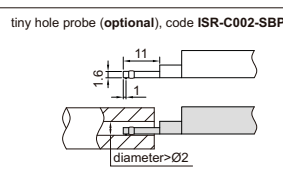
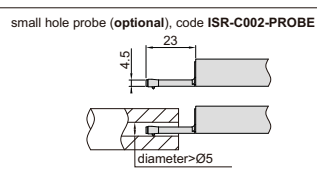
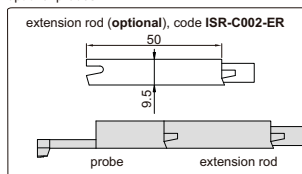
bluetooth printer (optional)



NOTE: Please confirm whether the adapter can fit your height gages. When using INSIZE height gages, please use the dial test indicator holder of height gages

optional probes

Unit: mm



SPECIFICATION

Price(₹)	119005	
Parameters	Ra, Rz, Rq, Rv, Rp, Rs, R3z, R3y, Rt, Rc Rz (JIS), Rk, Rku, Rsm, Rpc, Rpk, Rvk, Rsk, Mr1, Mr2, Ry, Rmax	
Range	X axis	17.5mm
	Z axis	320µm(-160µm~160µm)
Accuracy	±10%	
Resolution (Ra)	0.002µm/±20µm 0.004µm/±40µm 0.006µm/±80µm 0.02µm/±160µm	
Probe	type	inductive
	stylus radius/angle	5µm/90°
	stylus material	diamond
Measuring force	4mN	
Measuring unit	µm/µin	
Cut off	0.25/0.8/2.5mm	
Number of cut-offs	1~5	
Traverse speed	0.135mm/s, 0.5mm/s, 1mm/s	
Memory	100 measurement results	
Output	USB and bluetooth	
Power	built-in rechargeable battery	
Dimension (L×W×H)	158×64×52mm	
Weight	400g	

STANDARD DELIVERY

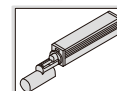
Main unit	1pc
Standard probe	1pc
Calibration block and support	1pc of each
Connecting cable (long and short)	1pc of each
Magnetic stand adapter	1pc
Adjustable stand	1pc
Touch pen	1pc
USB cable and software	1pc
AC/DC adapter	1pc

OPTIONAL ACCESSORY

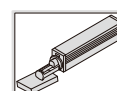
Extension rod	ISR-C002-ER
Small hole probe	ISR-C002-PROBE
Tiny hole probe	ISR-C002-SBP
Deep groove probe	ISR-C002-DGP
Bluetooth printer	ISR-C002-PRINTER
Height gage adapter	ISR-C300-LB1
Bluetooth receiver	ISR-C300-RECEIVER
Support for flat surface	ISR-C300-COVER1
Support for cylindrical surface	ISR-C300-COVER2

probe support (optional)

support for flat surface



support for cylindrical surface



ROUGHNESS TESTER CODE ISR-C002

- 21 roughness parameters
- Display roughness values, profile and curve
- Memory of maximum 100 results
- Automatic power off

CAN BE CONTROLLED
BY COMPUTER



DATA
OUTPUT



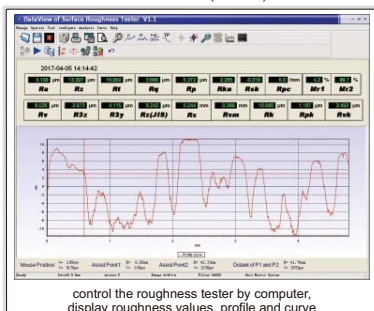
adjustable stand (included)



probe cover (included)

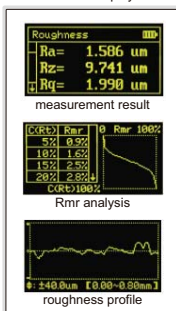


software for PC (included)



control the roughness tester by computer,
display roughness values, profile and curve

screen display



roughness profile

light duty test stand (optional)



the maximum workpiece
height is 220mm

heavy duty test stand (optional)



the maximum workpiece
height is 310mm

software CD (included)



printer (optional)



SPECIFICATION

Price(₹)	105323	
Parameters	Ra, Rz, Rq, Rv, Rp, RS, R3z, R3y, Rt, Rz (JIS), Rk, Rku, Rsm, Rpc, Rpk, Rvk, Rsk, Mr1, Mr2, Ry (JIS), Rmax	
Range	160µm	
Accuracy	±10%	
Resolution (Ra)	0.001µm	
Probe	type	inductive
	stylus radius/angle	5µm/90°
	stylus material	diamond
Measuring force	4mN	
Measuring unit	µm/µin	
Cut off	0.25/0.8/2.5mm	
Number of cut-offs	1 to 5	
Traverse speed	0.5mm/s, 1mm/s	
Memory	100 measurement results	
Output	USB	
Power	built-in rechargeable battery	
Dimension (L×W×H)	141×55×40mm	
Weight	400g	

STANDARD DELIVERY

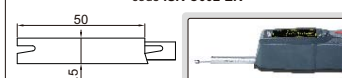
Main unit	1pc
Standard probe	1pc
Calibration block and support	1pc of each
Adjustable stand	1pc
Probe cover	1pc
Software	1pc
AC/DC adapter	1pc

OPTIONAL ACCESSORY

Extension rod	ISR-C002-ER
Transverse rod	ISR-C002-TR
Deep groove probe	ISR-C002-DGP
Small hole probe	ISR-C002-SBP
Light duty test stand	ISR-C002-STAND1
Heavy duty test stand	ISR-C002-STAND
Printer	ISR-C002-PRINTER

Unit: mm

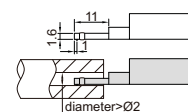
extension rod (optional),
code ISR-C002-ER



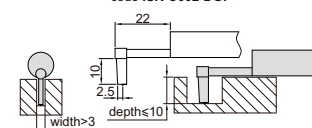
transverse rod (optional),
code ISR-C002-TR



small hole probe (optional),
code ISR-C002-SBP



deep groove probe (optional),
code ISR-C002-DGP



ROUGHNESS TESTER CODE ISR-C003



calibration block
(included)



- Unit: µm, µin
- Automatic power off

STANDARD DELIVERY

Main unit	1pc
Calibration block	1pc
AC/DC adapter	1pc

SPECIFICATION

Price(₹)	79213	
Parameters	Ra, Rz, Rq, Rt	
Range	Ra, Rq: 0.05~15µm Rz, Rt: 0.1~50µm	
Accuracy	±10%	
Resolution (Ra)	0.01µm	
Probe	type	piezoelectric
	stylus radius/angle	10µm/90°
	stylus material	diamond
Measuring force	5mN	
Measuring unit	µm/µin	
Cut off	0.25/0.8/2.5mm	
Evaluation length	1.25mm for cut off 0.25mm 4mm for cut off 0.8mm 5mm for cut off 2.5mm	
Traverse speed	0.75mm/s	
Power	built-in rechargeable battery	
Dimension (L×W×H)	106×70×24mm	
Weight	200g	

SURFACE ROUGHNESS SPECIMENS



ISR-CS315

- For checking, identifying and specifying the roughness by symbol
- Rust-proof, made of pure Nickel

Code	Machining method	Roughness (Ra)	Roughness (Rz)	Quantity	Price (₹)	
ISR-CS315	Surface grinding	0.025, 0.05, 0.1, 0.2, 0.4, 0.8, 1.6, 3.2µm	0.29, 0.55, 0.91, 1.74, 2.6, 4.65, 7.87, 15.6µm	8pcs	10536	
ISR-CS316	Cylindrical grinding	0.025, 0.05, 0.1, 0.2, 0.4, 0.8, 1.6, 3.2µm	0.3, 0.53, 0.88, 1.56, 2.64, 4.4, 7.71, 15.3µm	8pcs	10536	
ISR-CS317	Flat lapping	Criss-cross	0.025, 0.05, 0.1, 0.2µm	0.4, 0.6, 0.74, 1.26µm	4pcs	10536
		Parallel	0.025, 0.05, 0.1, 0.2µm	0.34, 0.56, 1.12, 1.5µm	4pcs	
ISR-CS318	Cylindrical lapping	0.025, 0.05, 0.1, 0.2µm	0.46, 0.54, 0.63, 1.23µm	4pcs	10536	
	Superfinishing	0.025, 0.05, 0.1, 0.2µm	0.36, 0.7, 1, 1.4µm	4pcs		
ISR-CS319	Face turning	0.4, 0.8, 1.6, 3.2, 6.3, 12.5, 25, 50µm	1.92, 3.2, 6.15, 12.5, 23.7, 48.7, 102, 185µm	8pcs	10536	
ISR-CS320	Cylindrical turning	0.4, 0.8, 1.6, 3.2, 6.3, 12.5, 25, 50µm	1.7, 3.2, 6.1, 12.2, 23.7, 47.5, 95, 190µm	8pcs	10536	
ISR-CS321	End milling	0.4, 0.8, 1.6, 3.2, 6.3, 12.5, 25, 50µm	1.92, 3.82, 6.45, 12.2, 25.2, 49.8, 92.6, 191µm	8pcs	10536	
ISR-CS322	Reaming	0.4, 0.8, 1.6, 3.2µm	1.7, 3.2, 6.4, 12.8µm	4pcs	10536	
	Drilling	1.6, 3.2, 6.3, 12.5µm	7.5, 15.5, 31, 60µm	4pcs		
ISR-CS323	Horizontal milling	0.4, 0.8, 1.6, 3.2, 6.3, 12.5, 25, 50µm	1.8, 3.68, 6.63, 12.8, 25.6, 53, 97.5, 197µm	8pcs	10536	
ISR-CS325	Shaping (planing)	0.8, 1.6, 3.2, 6.3, 12.5, 25, 50, 100µm	3.84, 6.7, 12.2, 25.2, 48.7, 99.9, 190, 361µm	8pcs	10536	
ISR-CS326	Linishing (belt sanding)	0.1, 0.2, 0.4, 0.8, 1.6, 3.2µm	0.9, 1.55, 3.37, 7.42, 18.5, 31µm	6pcs	10536	
ISR-CS328	Vertical grinding	0.2, 0.4, 0.8, 1.6, 3.2, 6.3µm	1.1, 3.5, 6.15, 8.78, 22.19, 40.8µm	6pcs	10536	
ISR-CS329	Grit blasting	3.2, 10.5, 18, 25µm	19.2, 63, 108, 150µm	4pcs	10536	
	Shot blasting	3.2, 8, 13, 18µm	19.2, 48, 78, 108µm	4pcs		
ISR-CS331	Spark erosion (EDM)	0.4, 0.8, 1.6, 3.2, 6.3, 12.5, 25, 50µm	2.5, 4.5, 7.2, 14.2, 24.7, 51.2, 105, 196µm	8pcs	10536	
ISR-CS333	Hand filing	0.4, 0.8, 1.6, 3.2, 6.3µm	3, 5.6, 12.4, 22.5, 61µm	5pcs	10536	
ISR-CS334	Castings	0.8, 1.6, 3.2, 6.3, 12.5, 25, 50µm	3.2, 8, 16, 32, 56, 112, 225µm	7pcs	10536	
ISR-CS335	Honing	0.05, 0.1, 0.2, 0.4, 0.8, 1.6µm	0.31, 0.56, 1, 2, 4.2, 9µm	6pcs	10536	
ISR-CS336	Polishing	0.0125, 0.025, 0.05, 0.1, 0.2µm	0.29, 0.35, 0.67, 0.72, 1.52µm	5pcs	10536	

SURFACE ROUGHNESS SPECIMEN SET CODE ISR-CS2

ATTENTION: PLEASE APPLY ANTI-RUST OIL AFTER USE

Code	Machining method	Roughness (Ra)	Roughness (Rz)	Quantity	Price (₹)
ISR-CS2	Horizontal milling	0.4, 0.8, 1.6, 3.2, 6.3, 12.5µm	1.6, 3.2, 6.3, 12.5, 25, 50µm	6pcs	8825
		16, 32, 63, 125, 250, 500µm			
	Vertical milling	0.4, 0.8, 1.6, 3.2, 6.3, 12.5µm	1.6, 3.2, 6.3, 12.5, 25, 50µm	6pcs	
		16, 32, 63, 125, 250, 500µm			
	Turning	0.4, 0.8, 1.6, 3.2, 6.3, 12.5µm	1.6, 3.2, 6.3, 12.5, 25, 50µm	6pcs	
		16, 32, 63, 125, 250, 500µm			
	Plain grinding	0.05, 0.1, 0.2, 0.4, 0.8, 1.6µm	0.2, 0.4, 0.8, 1.6, 3.2, 6.3µm	6pcs	
		2, 4, 8, 16, 32, 63µm			
	Flat lapping	0.05, 0.1µm	0.2, 0.4µm	2pcs	
		2, 4µm			
	External grinding	0.2, 0.4, 0.8, 1.6µm	0.8, 1.6, 3.2, 6.3µm	4pcs	
		8, 16, 32, 63µm			



- For checking, identifying and specifying the roughness by symbol
- Made of carbon steel

SHOT AND GRIT BLASTING SURFACE ROUGHNESS SPECIMENS



- To check the roughness of steel surfaces which have been blast cleaned before painting
- Meets ISO 8503/1
- Rust-proof, made of pure Nickel
- Each piece contains 4 parts

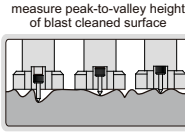
Code	Machining method	Roughness (Ra)	Roughness (Rz)	Price (₹)
ISR-CS017	shot blasting	3.2, 8, 13, 18µm	19.2, 48, 78, 108µm	13742
ISR-CS018	grit blasting	3.2, 10.5, 18, 25µm	19.2, 63, 108, 150µm	13742



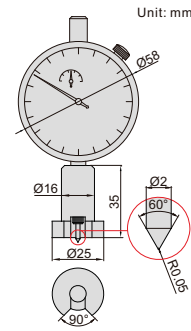
ISR-CS017

SURFACE PROFILE GAGE

- Dial indicator stroke: 1mm
- Dial indicator graduation: 0.001mm
- Measure peak-to-valley height of blast cleaned surface.
If the profile is too low, the adhesion of the coating to the surface will be reduced.
If the profile is too high, there is the danger that the profile peaks will remain uncoated, allowing rust spots to occur.
- Meet ASTM D 4417-B
- Zero set block is included, set zero before measurement
- Stainless steel base



2344-1



Unit: mm

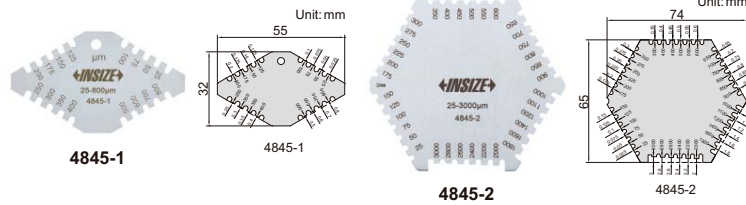


set zero

base
zero set block (included)

Code	Range	Accuracy	Price(₹)
2344-1	0-1mm	±0.005mm	7242

WET FILM GAGES



- Made of stainless steel

Code	Range	Accuracy	Thickness	Price(₹)
4845-1	25-800µm	±5µm	1.8mm	1816
4845-2	25-3000µm	25-100µm: ±5µm 100µm-3000µm: ±5%	1mm	1259

COATING THICKNESS GAGE CODE 9501-1200

FOR MAGNETIC AND
NON-MAGNETIC SUBSTRATES

DATA
OUTPUT

- Magnetic induction probe (Fe) is to measure the thickness of non-magnetic coating on magnetic substrate
Substrate: iron, steel, magnetic stainless steel (does not include non-magnetic stainless steel)
Coating: zinc, copper, chrome, tin, plastic, powder, paint (nickel is not included)
- Eddy current probe (NFe) is to measure the thickness of non-conductive coating on non-magnetic substrate
Substrate: copper, aluminum, zinc, non-magnetic stainless steel
Coating: plastic, powder, paint, anodizing
- Low and high limits with judgement
- Automatic power off



magnetic induction probe Fe (included)

SPECIFICATION

Price(₹)	22389			
Probe type	Fe (included)	NFe (optional)	Fe/90° (optional)	Fe10 (optional)
Measuring range	0~1250µm	0~1250µm	0~1250µm	500~10000µm
Accuracy	±(3%L+1)µm L is measuring thickness in µm			
Resolution	0.1µm (range<100µm) 1µm (range≥100µm)			
Measuring mode	continuous and single			
Minimum substrate thickness	0.5mm	0.3mm	0.5mm	2mm
Minimum measuring area	Ø7mm	Ø5mm	Ø7mm	Ø40mm
Minimum curvature radius of convex workpiece	1.5mm	3mm	- - -	10mm
Memory	500			
Power supply	2x1.5V AA batteries			
Dimension	128x68x32mm			
Weight	340g			



eddy current probe NFe (optional) with zero calibration block



magnetic induction probe (Fe/90°) for bores and grooves (optional)



zero calibration block for Fe (included)



calibration foils (included)



magnetic induction probe (Fe10) with big range (optional)



software CD (included)

STANDARD DELIVERY

Main unit	1pc
Magnetic induction probe (Fe)	1pc
Zero calibration block for Fe probe	1pc
Calibration foils (50µm, 100µm, 250µm, 500µm, 1000µm)	1set
1.5V AA battery	2pcs
USB cable and software	1pc

OPTIONAL ACCESSORY

Eddy current probe (NFe) with zero calibration block	9501-1200-NFE
Magnetic induction probe (Fe/90°) for bores and grooves	9501-1200-FE90
Magnetic induction probe (Fe10) with big range	9501-1200-FE10

ULTRASONIC THICKNESS GAGE (THROUGH COATING) CODE ISU-300D

PENETRATE NON-METALLIC COATING AND
MEASURE THE THICKNESS OF METAL SUBSTRATE

DATA
OUTPUT

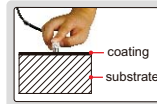
INSPECTION
CERTIFICATE



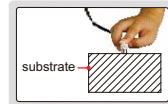
- Two measuring modes, Echo-Echo (E-E) and Transmit-Echo (T-E):
 - E-E is applicable for non-metallic coating (such as paint, plastic resin, etc.) on metal substrate, can penetrate coating and measure the thickness of substrate
 - T-E is to measure the thickness of material without coating, such as metal, plastic, glass, nylon, resin, ceramics, ice, etc.
- Low and high limits with judgment
- Average calculation of maximum 9 readings
- Memory of maximum 500 readings



Echo-Echo mode (E-E)



Transmit-Echo mode (T-E)



SPECIFICATION

Price(₹)	130929
Measuring range	E-E mode: coating thickness 0~1mm, substrate thickness 4~25mm
	T-E mode: substrate thickness 1.5~200mm
Resolution	0.01mm (range<100mm)
	0.1mm (range≥100mm)
Repeatability	0.03mm (range<100mm)
	0.1mm (range≥100mm)
Accuracy	±0.04mm (range<10mm)
	±(0.04+H/1000)mm (range 10~100mm)
	±H/333mm (range≥100mm)
	H is the thickness to be measured in mm
Velocity	1000~9999m/s
Power supply	2×1.5V AAA batteries
Dimension	116×64×27mm
Weight	220g

STANDARD DELIVERY

Main unit	1pc
Transducer ISU-T07	1pc
Battery (AAA)	2pcs
Couplant (for ISU-T04, ISU-T06, ISU-T07, ISU-T12)	1bottle
USB cable	1pc

OPTIONAL ACCESSORY

Transducer	ISU-T04, ISU-T06, ISU-T12, ISU-T13
Couplant (for ISU-T13)	ISU-HT5-COULPLANT

ULTRASONIC THICKNESS GAGE CODE ISU-250C



- Measure the thickness from one side of object, suitable for pipe, tank, etc.
- Applicable material: metal, plastic, glass, nylon, resin, ceramic, ice
- Low and high limits with judgement
- Average calculation of maximum 9 readings
- Memory of maximum 5000 readings with location number



INSPECTION
CERTIFICATE

DATA
OUTPUT



SPECIFICATION

Price(₹)	78558
Resolution	0.01mm (range<100mm)
	0.1mm (range≥100mm)
Repeatability	0.03mm (range<100mm)
	0.1mm (range≥100mm)
Accuracy	±0.04mm (range<10mm)
	±(0.04+H/1000)mm (range 10~100mm)
	±H/333mm (range≥100mm)
	H is the thickness to be measured in mm
Velocity	1000-9999m/s
Power supply	2x1.5V AAA batteries
Dimension	64x116x27mm
Weight	220g

STANDARD DELIVERY

Main unit	1pc
Transducer ISU-T08	1pc
Battery (AAA)	2pcs
Couplant (for ISU-T04, ISU-T06, ISU-T08, ISU-T12)	1bottle
USB cable	1pc

OPTIONAL ACCESSORY

Transducer	ISU-T04, ISU-T06, ISU-T12, ISU-T13
Couplant (for ISU-T13)	ISU-HT5-COULPLANT

ULTRASONIC THICKNESS GAGE (BASIC MODEL) CODE ISU-100D



- Measure the thickness from one side of object, suitable for pipe, tank, etc.
- Applicable material: metal, plastic, glass, nylon, resin, ceramic, ice

SPECIFICATION

Price(₹)	38114	
Measuring range	0.8~300mm	
Resolution	0.01mm (range<100mm)	
	0.1mm (range ≥100mm)	
Accuracy	±0.04mm	(range<10mm)
	±(0.04+H/1000)mm	(range 10~100mm)
	±H/333mm	(range ≥100mm)
H is the thickness to be measured in mm		
Transducer	frequency	5MHz
	diameter (Ød)	10.8mm
Minimum size of pipe for measurement	20×1.2mm (diameter × wall thickness)	
Applicable temperature	<60°C	
Velocity	1000-9999m/s	
Power supply	2×AAA batteries	
Dimension	114×64×28mm	
Weight	200g	

STANDARD DELIVERY

Main unit	1pc
Transducer	1pc
Couplant	1bottle
Battery (AAA)	2pcs

NON-CONTACT DIGITAL TACHOMETER CODE 9221-999



- Maximum and minimum modes
- Memory 100 measurement values
- Automatic power off

reflection sticker (included)



SPECIFICATION

Price(₹)	4023
Measuring range	50~99999RPM
Accuracy	±(0.03%+2) RPM
Resolution	0.01RPM (range 50~99.99RPM)
	0.1RPM (range 100~9999.9RPM)
	1RPM (range 10000~99999RPM)
Measuring distance	50~250mm
Power supply	4×AAA batteries
Dimension	155×60×27mm
Weight	118g

STANDARD DELIVERY

Main unit	1pc
Reflection sticker	1roll
Battery (AAA)	4pcs

CONTACT DIGITAL TACHOMETER CODE 9222-199

- Unit: RPM, m/min, m/sec, ft/min, ft/sec, in/min
- Maximum and minimum modes
- Memory 100 measurement values
- Automatic power off



STANDARD DELIVERY

Main unit	1pc
Wheel with 0.1m perimeter	1pc
Wheel with 6" perimeter	1pc
Cone cavity head	1pc
Cone head	1pc
Extension rod	1pc
Battery (AAA)	4pcs

SPECIFICATION

Price(₹)	3787
Measuring range	50~19999RPM
Accuracy	±(0.03%+2) RPM
Resolution	0.01RPM (range 50~99.99RPM)
	0.1RPM (range 100~9999.9RPM)
	1RPM (range 10000~19999RPM)
Power supply	4×AAA batteries
Dimension	183×60×27mm
Weight	122g

LASER DISTANCE METERS

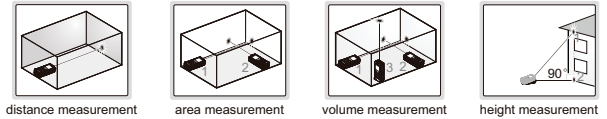
- Large display with backlight
- Unit: m, ft, in
- Distance, area, volume and height measurement
- Continuous measuring mode to track maximum and minimum value
- Memory of 99 measurement values
- Automatic power off: laser 20s, main unit 150s



9561-80

SPECIFICATION

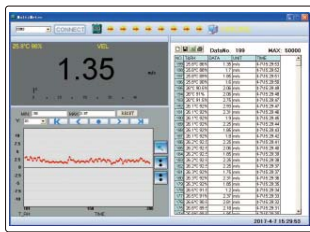
Code	9561-40	9561-80
Price(₹)	5561	7077
Measuring range	0.05~40m	0.05~80m
Accuracy	±3mm	
Resolution	1mm, 10mm, 0.1", 0.01ft	
Measuring speed	0.5 second	
Laser type	635nm, Class II, <1mW	
Power supply	3×AAA batteries, for 4000 measurements	
Dimension (L×W×H)	120×60×28mm	
Weight	175g	



STANDARD DELIVERY

Main unit	1pc
Battery (AAA)	3pcs

DIGITAL ANEMOMETER CODE 9331-40



software (included), display measurement values and graph, save and output data



- Measure velocity, flow, temperature and relative humidity
- Velocity unit: m/s, km/h, mil/h, ft/m, ft/s, knots
- Flow unit: CMS (cubic meter per second), CMM (cubic meter per minute), CFM (cubic feet per minute)
- Temperature type: ambient, dew point, wet bulb
- Maximum and minimum modes
- Automatic power off

DATA
OUTPUT

STANDARD DELIVERY

Main unit	1pc
USB cable and software	1pc
9V battery	1pc



software CD
(included)



SPECIFICATION

Price(₹)	6398	
Measuring range	velocity	0.8~30m/s, 1.4~108km/h, 0.9~67.2mil/h, 1.3~98.5ft/s, 78~5900ft/m, 0.8~58.3knots
	flow	0~9999CMS, 0~99990CMM, 0~99990CFM
	temperature	-20~60°C/-4~140°F
	relative humidity	0~100%RH
Accuracy	velocity	±(2%+0.5) for m/s, km/h, mil/h, ft/s, knots ±(2%+50) for ft/m
	temperature	±1.5°C/±2.7°F
	relative humidity	±3% (20~80%RH), ±5% (<20%RH or >80%RH)
Resolution	velocity	0.01m/s, 0.01km/h, 0.01mil/h, 0.01ft/s, 1ft/m, 0.01knots
	flow	0.01CMS, 0.1CMM, 0.1CFM
	temperature	0.1°C/0.1°F
	relative humidity	0.1%RH
Flowing area range	0~9.999m²/0~9.999ft²	
Sampling time	0.4s	
Maximum working height	2000m	
Output	USB	
Power supply	9V battery	
Dimension	165×85×38mm	
Weight	200g	

DIGITAL MOISTURE METER CODE 9341-50



- Suitable for wood, smooth cement, hard gypsum, mixed mortar, brick, etc.
- Measure moisture, temperature and relative humidity
- Temperature type: ambient, dew point, wet bulb
- Maximum and minimum modes
- Automatic power off



cover
(included)

STANDARD DELIVERY

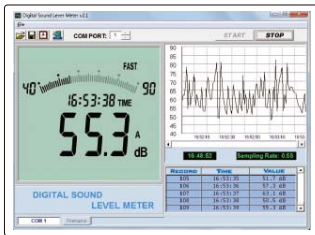
Main unit	1pc
Battery (AAA)	2pcs

SPECIFICATION

Price(₹)	4015	
Measuring depth	0~50mm	
Measuring range	Moisture	0~60%
	temperature	-10~50°C/14~122°F
	relative humidity	0~100%RH
Accuracy	Moisture	±2%
	temperature	±2%
	relative humidity	±5%RH
Resolution	Moisture	0.1%
	temperature	0.1°C/0.1°F
	relative humidity	0.1%RH
Sampling time	0.5s for moisture 1s for temperature and relative humidity	
Power supply	2×AAA batteries	
Dimension	130×56×29mm	
Weight	206g	

**DIGITAL SOUND LEVEL METER
CODE 9351-130**

**DATA
OUTPUT**



software (included), display measurement values and graph, save and output data



VIDEO



software CD (included)



- Automatically select best range: 30~80dB, 40~90dB, 50~100dB, 60~110dB, 70~120dB, 80~130dB
- Over range indicator
- Real time, average, maximum modes
- Memory 16000 measurement values
- AC signal output: 0.707 Vrms at FS, impedance approx. 600Ω
- DC signal output: 10mV/dB, impedance approx. 100Ω
- Automatic power off

SPECIFICATION

Price(₹)	9580
Measuring range	30~130dB
Accuracy	±2dB
Resolution	0.1dB
Sampling time	0.5s for digital, 0.05s for analogue
Response time	fast: 125ms, slow: 1s
Frequency	30Hz~8KHz
Frequency weighting	A/C
Microphone	electret condenser type
Output	RS232, AC/DC
Power supply	6×AAA batteries
Dimension	265×80×69mm
Weight	317g

STANDARD DELIVERY

Main unit	1pc
RS232 cable and software	1pc
Output connector	1pc
Battery (AAA)	6pcs

**PEN-TYPE DIGITAL MULTIMETER
CODE 9241-ML200**

SPECIFICATION

Function	Range	Resolution	Accuracy	Price(₹)
DC Voltage	200mV/2V/20V/200V/600V	0.1mV/1mV/10mV/0.1V/1V	±(0.7%+2)	2314
AC Voltage	200mV/2V/20V/200V/600V	0.1mV/1mV/10mV/0.1V	±(0.8%+3)	
DC Current	20mA/200mA	10μA/0.1mA	±(1.0%+3)	
AC Current	20mA/200mA	10μA/0.1mA	±(2.0%+3)	
Resistance	200Ω	0.1Ω	±(1.0%+3)	
	2kΩ/20kΩ/200kΩ/2MΩ	1Ω/10Ω/0.1kΩ/1kΩ	±(1.0%+1)	
	20MΩ	10kΩ	±(1.0%+5)	
NCV	>50V AC			
Logic level test	<1.5V (green LED on) 1.5~3.5V (green & red LED off) >3.5V (red LED on)			
Diode	open circuit voltage 1.5V			
Continuity buzzer	<60Ω			
Power supply	2×1.5V AAA batteries			

- Auto/manual ranging
- Maximum mode
- Data hold
- Low battery display
- Auto power off
- Safety rating: CAT III 600V



probe (included)



clips (included)

STANDARD DELIVERY

Main unit	1 pc
Probe	1 pc
Clip	2 pcs
1.5V battery	2 pcs

**DIGITAL MULTIMETER
CODE 9242-ML100**

SPECIFICATION

Function	Range	Resolution	Accuracy	Price(₹)
DC Voltage	200mV/2V/20V/200V/600V	0.1mV/1mV/10mV/0.1V	±(0.5%+3)	1282
AC Voltage	200V/600V	0.1V/1V	±(1.2%+10)	
DC Current	200μA/2mA	0.1μA/1μA	±(1.0%+3)	
	20mA	10μA	±(1.0%+5)	
	200mA	0.1mA	±(1.5%+5)	
Resistance	10A	10mA	±(3.0%+10)	
	200Ω	0.1Ω	±(0.8%+5)	
	2kΩ/20kΩ/200kΩ	1Ω/10Ω/0.1kΩ	±(0.8%+2)	
	2MΩ	1kΩ	±(1.0%+5)	
Diode	open circuit voltage 3.0V			
Continuity buzzer	<70±30Ω			
Transistor hFE	measuring range 0~1000			
Power supply	1×9V 6F22/NEDA 1604 battery			

- Data hold
- Display backlight
- Low battery display
- Safety rating: CAT II 600V



probes (included)

STANDARD DELIVERY

Main unit	1 pc
Probe	2 pcs
9V battery	1 pc

AC DIGITAL CLAMP METER CODE 9243-CA600

SPECIFICATION

Function	Range	Resolution	Accuracy	Price(₹)
DC Voltage	200mV/2V/20V/200V	0.1mV/1mV/10mV/0.1V	±(0.8%+2)	
	600V	1V	±(1.0%+2)	
AC Voltage	200mV	0.1mV	±(1.0%+10)	
	2V/20V/200V	1mV/10mV/0.1V	±(1.0%+5)	
	600V	1V	±(1.2%+5)	
AC Current	2A(≤0.5A)	1mA	±(3.5%+20)	
	2A	1mA	±(3.0%+10)	
	20A	10mA	±(3.0%+10)	
	200A	0.1A	±(2.5%+10)	
	600A	1A	±(1.5%+5)	
Resistance	200Ω/2kΩ/20kΩ/200kΩ/2MΩ	0.1Ω/1Ω/10Ω/0.1kΩ/1kΩ	±(1.2%+2)	
	20MΩ	10kΩ	±(2.0%+5)	
Diode	open circuit voltage 1.5V			
Continuity buzzer	<50Ω			
Power supply	3×1.5V AAA batteries			

- Auto/manual ranging
- Maximum mode
- Data hold
- Display backlight
- Work light
- Low battery display
- Auto power off
- Safety rating: CAT III 600V



probes (included)

STANDARD DELIVERY

Main unit	1 pc
Probe	2 pcs
1.5V battery	3 pcs

WEIGHING SCALES (HIGH PRECISION)

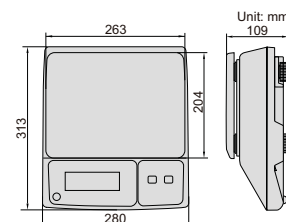
Code	8001-6	8001-15	8001-30
Price(₹)	11120	11120	11676
Capacity	6kg	15kg	30kg
Minimum capacity	4g	10g	20g
Readout	0.2g	0.5g	1g
Resolution	30000d		
Operating temperature	-10~40°C		
Power	rechargeable battery (6V/3.2Ah) power adapter (12V/500mA)		
Dimensions of pan	263×204mm		



8001-30

- LCD display, with backlight
- Zero-setting, subtracting tare value
- Overload alarm
- Automatic power off

ATTENTION:
NO DATA OUTPUT



WEIGHING SCALES (OIML CERTIFICATE)



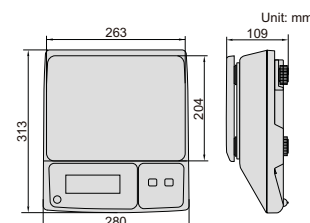
ATTENTION:
NO DATA OUTPUT

Code	8002-6M	8002-15M	8002-30M
Price(₹)	11120	11120	11120
Capacity	3/6kg	6/15kg	15/30kg
Minimum capacity	20g	40g	100g
Readout	1g/2g	2g/5g	5g/10g
Resolution	2×3000e		
Operating temperature	-10~40°C		
Power	rechargeable battery (6V/3.2Ah) power adapter (12V/500mA)		
Dimensions of pan	263×204mm		



8002-30M

- LCD display, with backlight
- Zero-setting, subtracting tare value
- Overload alarm
- Automatic power off
- OIML certificate (No. 0200-NAWI-04601)

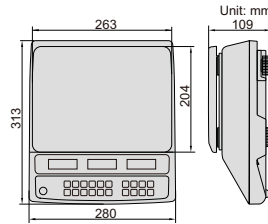


COUNTING SCALES

- LCD display, with backlight
- Zero-setting, subtracting tare value, counting, accumulation, checking alarm
- Overload alarm

ATTENTION:
NO DATA OUTPUT

Code	8101-6	8101-15	8101-30
Price(₹)	11120	11120	11676
Capacity	6kg	15kg	30kg
Minimum capacity	4g	10g	20g
Readout	0.2g	0.5g	1g
Resolution	3000d		
Operating temperature	-10~40°C		
Power	rechargeable battery (6V/3.2Ah) power adapter (12V/500mA)		
Dimensions of pan	263×204mm		



8101-30

WEIGHTS



- Supplied with manufacturer inspection certificate

OIML R111-2004 TOLERANCE

Weight	E2	F1	F2	M1
1mg	0.006mg	0.020mg	0.06mg	0.20mg
2mg	0.006mg	0.020mg	0.06mg	0.20mg
5mg	0.006mg	0.020mg	0.06mg	0.20mg
10mg	0.008mg	0.025mg	0.08mg	0.25mg
20mg	0.010mg	0.03mg	0.10mg	0.3mg
50mg	0.012mg	0.04mg	0.12mg	0.4mg
100mg	0.016mg	0.05mg	0.16mg	0.5mg
200mg	0.020mg	0.06mg	0.20mg	0.6mg
500mg	0.025mg	0.08mg	0.25mg	0.8mg
1g	0.03mg	0.10mg	0.3mg	1.0mg
2g	0.04mg	0.12mg	0.4mg	1.2mg
5g	0.05mg	0.16mg	0.5mg	1.6mg
10g	0.06mg	0.20mg	0.6mg	2.0mg
20g	0.08mg	0.25mg	0.8mg	2.5mg
50g	0.10mg	0.3mg	1.0mg	3.0mg
100g	0.16mg	0.5mg	1.6mg	5.0mg
200g	0.3mg	1.0mg	3.0mg	10mg
500g	0.8mg	2.5mg	8.0mg	25mg
1kg	1.6mg	5.0mg	16mg	50mg
2kg	3.0mg	10mg	30mg	100mg
5kg	8.0mg	25mg	80mg	250mg
10kg	16mg	50mg	160mg	500mg
20kg	30mg	100mg	300mg	1000mg

WEIGHT CLASS SELECTION

Accuracy of the weighing instrument	Resolution of the weighing instrument	Required class of weights
III medium accuracy	≤10000d	M1
II high accuracy	≤30000d	F2
	≤100000d	F1
I special accuracy	>100000d	E2

Weight	Class and material												Shape
	E2 (non-magnetic stainless steel)	Price (₹)	F1 (non-magnetic stainless steel)	Price (₹)	F1 (304 stainless steel)	Price (₹)	F2 (304 stainless steel)	Price (₹)	M1 (304 stainless steel)	Price (₹)	M1 (steel chrome plated)	Price (₹)	
1mg	8911-1MGE2	1436	8911-1MGF1	678	8911-1MGF1S	333	8911-1MGF2	264	8911-1MGM1	194	8911-1MGM1C	154	sheet
2mg	8911-2MGE2	1436	8911-2MGF1	678	8911-2MGF1S	333	8911-2MGF2	264	8911-2MGM1	194	8911-2MGM1C	154	
5mg	8911-5MGE2	1436	8911-5MGF1	678	8911-5MGF1S	333	8911-5MGF2	264	8911-5MGM1	194	8911-5MGM1C	154	
10mg	8911-10MGE2	1436	8911-10MGF1	678	8911-10MGF1S	333	8911-10MGF2	264	8911-10MGM1	194	8911-10MGM1C	154	
20mg	8911-20MGE2	1436	8911-20MGF1	678	8911-20MGF1S	333	8911-20MGF2	264	8911-20MGM1	194	8911-20MGM1C	154	
50mg	8911-50MGE2	1436	8911-50MGF1	678	8911-50MGF1S	333	8911-50MGF2	264	8911-50MGM1	194	8911-50MGM1C	154	
100mg	8911-100MGE2	1436	8911-100MGF1	678	8911-100MGF1S	333	8911-100MGF2	264	8911-100MGM1	194	8911-100MGM1C	154	
200mg	8911-200MGE2	1436	8911-200MGF1	678	8911-200MGF1S	333	8911-200MGF2	264	8911-200MGM1	194	8911-200MGM1C	154	
500mg	8911-500MGE2	1436	8911-500MGF1	678	8911-500MGF1S	333	8911-500MGF2	264	8911-500MGM1	194	8911-500MGM1C	154	
1g	8911-1GE2	2541	8911-1GF1	1160	8911-1GF1S	539	8911-1GF2	401	8911-1GM1	333	8911-1GM1C	333	
2g	8911-2GE2	2541	8911-2GF1	1160	8911-2GF1S	539	8911-2GF2	414	8911-2GM1	360	8911-2GM1C	360	
5g	8911-5GE2	2541	8911-5GF1	1160	8911-5GF1S	609	8911-5GF2	470	8911-5GM1	401	8911-5GM1C	411	
10g	8911-10GE2	2815	8911-10GF1	1436	8911-10GF1S	747	8911-10GF2	609	8911-10GM1	470	8911-10GM1C	470	
20g	8911-20GE2	3505	8911-20GF1	2126	8911-20GF1S	952	8911-20GF2	678	8911-20GM1	499	8911-20GM1C	499	
50g	8911-50GE2	4195	8911-50GF1	2815	8911-50GF1S	1297	8911-50GF2	815	8911-50GM1	609	8911-50GM1C	609	
100g	8911-100GE2	4884	8911-100GF1	3505	8911-100GF1S	1436	8911-100GF2	1091	8911-100GM1	884	8911-100GM1C	884	
200g	8911-200GE2	5574	8911-200GF1	4195	8911-200GF1S	1712	8911-200GF2	1230	8911-200GM1	1022	8911-200GM1C	1022	
500g	8911-500GE2	11093	8911-500GF1	4884	8911-500GF1S	2402	8911-500GF2	1988	8911-500GM1	1712	8911-500GM1C	1712	
1kg	8911-1KGE2	20748	8911-1KGF1	11093	8911-1KGF1S	5574	8911-1KGF2	4195	8911-1KGM1	3091	8911-1KGM1C	3091	
2kg	8911-2KGE2	30405	8911-2KGF1	13851	8911-2KGF1S	6955	8911-2KGF2	5574	8911-2KGM1	4884	8911-2KGM1C	4884	
5kg	8911-5KGE2	55235	8911-5KGF1	27647	8911-5KGF1S	12472	8911-5KGF2	11093	8911-5KGM1	10403	8911-5KGM1C	10403	
10kg	8911-10KGE2	179387	8911-10KGF1	55235	8911-10KGF1S	24888	8911-10KGF2	22128	8911-10KGM1	19369	8911-10KGM1C	19369	
20kg	8911-20KGE2	262156	8911-20KGF1	110414	8911-20KGF1S	41440	8911-20KGF2	37302	8911-20KGM1	34543	8911-20KGM1C	34543	

WEIGHT SETS



■ Supplied with manufacturer inspection certificate

SPECIFICATION AND SHAPE

Weight	Specification				
	1mg~100g	1mg~200g	1mg~1kg	1mg~2kg	1mg~5kg
1mg	■	■	■	■	■
2mg	■ ■*	■ ■*	■ ■*	■ ■*	■ ■*
5mg	■	■	■	■	■
10mg	■	■	■	■	■
20mg	■ ■*	■ ■*	■ ■*	■ ■*	■ ■*
50mg	■	■	■	■	■
100mg	■	■	■	■	■
200mg	■ ■*	■ ■*	■ ■*	■ ■*	■ ■*
500mg	■	■	■	■	■
1g	■	■	■	■	■
2g	■ ■*	■ ■*	■ ■*	■ ■*	■ ■*
5g	■	■	■	■	■
10g	■	■	■	■	■
20g	■ ■*	■ ■*	■ ■*	■ ■*	■ ■*
50g	■	■	■	■	■
100g	■	■	■	■	■
200g	■	■ ■*	■ ■*	■ ■*	■ ■*
500g	■	■	■	■	■
1kg	■	■	■	■	■
2kg	■	■	■	■ ■*	■ ■*
5kg	■	■	■	■	■ ■*
Quantity	21 pcs	23 pcs	25 pcs	27 pcs	28 pcs
Total range	1mg~211.11g	1mg~611.11g	1mg~2111.11g	1mg~6111.11g	1mg~11111.11g

■ sheet ■* sheet, with mark ■ cylinder ■* cylinder, with mark

CLASS AND MATERIAL

Specification	Code									
	E2 (non-magnetic stainless steel)	Price (₹)	F1 (non-magnetic stainless steel)	Price (₹)	F1 (304 stainless steel)	Price (₹)	F2 (304 stainless steel)	Price (₹)	M1 (304 stainless steel)	Price (₹)
1mg~100g	8910-100GE2	45166	8910-100GF1	23646	8910-100GF1S	9714	8910-100GF2	6955	8910-100GM1	5575
1mg~200g	8910-200GE2	56201	8910-200GF1	31922	8910-200GF1S	13851	8910-200GF2	9161	8910-200GM1	7644
1mg~1kg	8910-1KGE2	87928	8910-1KGF1	47786	8910-1KGF1S	22128	8910-1KGF2	15231	8910-1KGM1	12472
1mg~2kg	8910-2KGE2	148626	8910-2KGF1	75375	8910-2KGF1S	35922	8910-2KGF2	26267	8910-2KGM1	21438
1mg~5kg	8910-5KGE2	203805	8910-5KGF1	102966	8910-5KGF1S	51097	8910-5KGF2	37302	8910-5KGM1	31784

60° GLOSS METER CODE ISQ-DG6



base with calibration block (included)



- To test the gloss of coating, such as painting, varnish, printing ink, etc.
- To test the material surfaces, such as metal, granite, ceramic, plastic, paper, etc.
- According to ISO 2813, ASTM D2457, ASTM D523
- Automatic power off

SPECIFICATION

Price (₹)	50511
Incidence angle	60°
Measuring range	0~150GU
Resolution	0.1GU
Accuracy	±1.2GU
Repeatability	0.4GU
Zero set error	0.2GU
Measuring area	20×10mm
Power supply	1×1.5V AA battery
Dimension	123×38×65mm
Weight	300g

STANDARD DELIVERY

Main unit	1pc
Base with calibration block	1pc
Spare calibration block	1pc

PORTABLE REFRACTOMETER CODE ISQ-RM30

SUITABLE FOR WATER
BASED COOLANT



- Quickly measure the concentration of coolant
- Refer to the refraction factor of coolant, for example: the refraction factor of grinding emulsion is 2.1, the reading value is 6%, so the actual concentration is (2.1×6%)=12.6%

SPECIFICATION

Price (₹)	5730
Measuring range	0~32%
Graduation	0.2%
Dimension	27×40×160mm
Weight	175g

CROSS-LINE LASER LEVEL CODE 4917-30

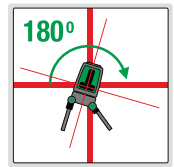
- Red horizontal and vertical cross laser lines
- Self-leveling within $\pm 3^\circ$, self-leveling time within 4s, "out of $\pm 3^\circ$ " audible and visual warning
- Folding legs for angle and height adjustment



application examples



folding legs for angle and height adjustment



SPECIFICATION

Price (₹)	6693
Laser line width	2±0.5mm/5m
Laser type	630~660nm, class II, <1mW
Beam angle	120±0.5°
Self-leveling range	±3°
Working distance	indoor: 30m, outdoor: 50m with detector (optional)
Accuracy	0.2mm/m
Operation temperature	-10~40°C
Power supply	3×AA batteries, for 3 hours continuous operation
Dimension	100×82×104mm
Weight	620g

"OUT OF $\pm 3^\circ$ " AUDIBLE AND VISUAL WARNING

IP54 WATERPROOF

STANDARD DELIVERY

Main unit	1 pc
1/4" to 5/8" tripod adaptor	1 pc
Battery (AA)	3 pcs

OPTIONAL ACCESSORY

Outdoor detector	4917-DETECTOR
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DIGITAL LEVEL AND PROTRACTOR



- IP67 dust/waterproof
- Aluminum frame, shock absorbing rubber end caps
- Magnetic bottom with V-groove for shafts
- The sea level is permanently set inside the chip, zero setting is not needed when batteries are replaced
- Buttons: ON/OFF, backlight/buzzer alarm, absolute and incremental measurement, unit (mm/m, %, °), HOLD (keep the reading)
- Three AAA batteries, automatic power off



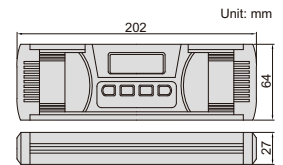
2175-360

IP67 WATERPROOF

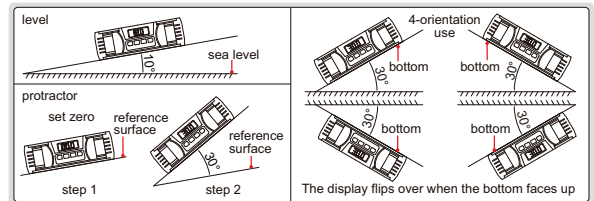
ABSOLUTE LEVEL

BACKLIGHT

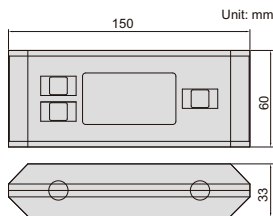
BUZZER ALARM AT 0° AND 90°



Code	Range	Resolution	Accuracy	Price (₹)
2175-360	0-360° (90°x4)	0.05° (=0.873mm/m)	at 0°: $\pm 0.05^\circ$; others: $\pm 0.1^\circ$	6568



DIGITAL LEVEL AND PROTRACTOR



2179-360

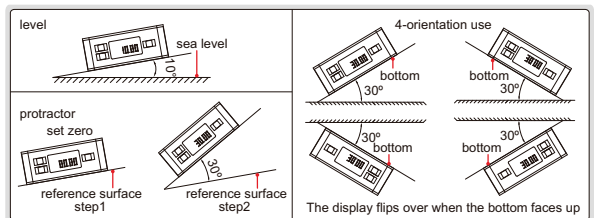
- IP54 dust/waterproof
- Aluminum frame
- Magnetic bottom with V-groove for shafts
- The sea level is permanently set inside the chip, zero setting is not needed when batteries are replaced
- Buttons: ON/OFF, absolute and incremental measurement, keep the reading, buzzer alarm, unit (mm/m, %, in/ft), backlight
- Two AAA batteries
- Automatic power off

IP54 WATERPROOF

ABSOLUTE LEVEL

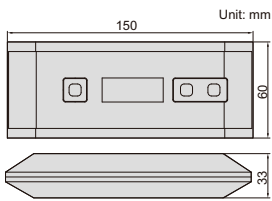
BACKLIGHT

BUZZER ALARM AT 0° AND 90°



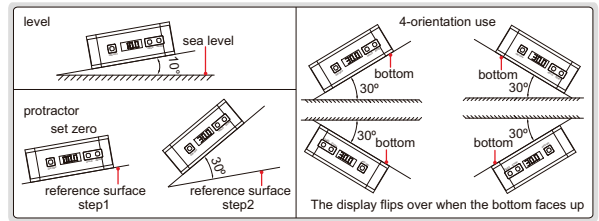
Code	Range	Resolution	Accuracy	Price (₹)
2179-360	0-360° (90°x4)	0.05° (=0.873mm/m)	at 0° and 90°: $\pm 0.1^\circ$; others: $\pm 0.2^\circ$	6391

DIGITAL LEVEL AND PROTRACTOR



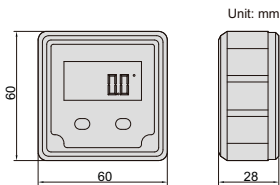
2173-360

- Aluminum frame
- Magnetic bottom with V-groove for shafts
- Zero setting can be made on any plain surfaces
- Buttons: ON/OFF, ZERO, HOLD (keep the reading)
- CR2032 battery, automatic power off



Code	Range	Resolution	Accuracy	Price(₹)
2173-360	0-360° (90°x4)	0.1° (= 1.745 mm/m)	at 0° and 90°: ±0.1°; others: ±0.2°	6015

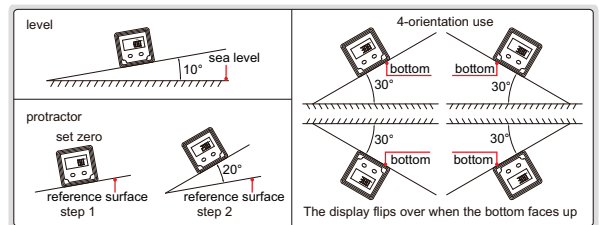
DIGITAL LEVEL AND PROTRACTOR



2170-1

- Aluminum frame
- Magnetic bottom
- The display flips over when the bottom faces up
- The backlight is on automatically when in use, and automatically off in 15 minutes after use
- The sea level is permanently set inside the chip, zero setting is not needed when battery is replaced
- Buttons: ON/OFF, ZERO, absolute and incremental measurement
- One AAA battery
- Automatic power off in 5 minutes

BACKLIGHT **ABSOLUTE LEVEL** **MAGNETIC BOTTOM** **DISPLAY FLIPS OVER WHEN THE BOTTOM FACES UP**



Code	Range	Resolution	Accuracy	Price(₹)
2170-1	4x90°	0.1° (= 1.745 mm/m)	at 0° and 90°: ±0.1°; others: ±0.2°	2692

FRAME LEVEL

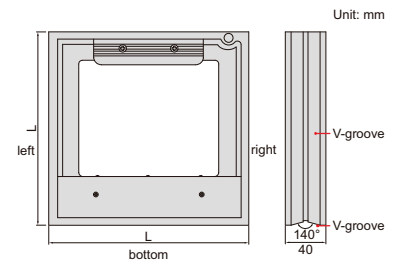
ATTENTION:
BASIC MODEL



- V-groove on bottom and left for shafts (shafts dia. 15~70mm)
- With transverse vial
- Supplied with adjusting wrench



4902-200



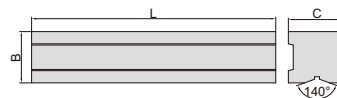
Code	Sensitivity	Size (LxL)	Price(₹)
4902-200	0.02mm/m (=0.001°)	200x200mm	8685

BLOCK LEVELS

ATTENTION:
BASIC MODEL



4903-200A

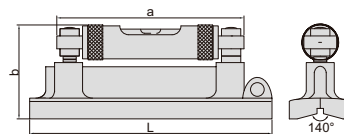


- V-groove on bottom for shafts (shafts dia. 15~70mm)
- With transverse vial
- Supplied with adjusting wrench

Code	Length (L)	Sensitivity	B	C	Price(₹)
4903-150A	150mm	0.02mm/m(=0.001°)	40	45	8132
4903-200A	200mm	0.02mm/m(=0.001°)	42	47	8573
4903-300A	300mm	0.02mm/m(=0.001°)	45	50	10740

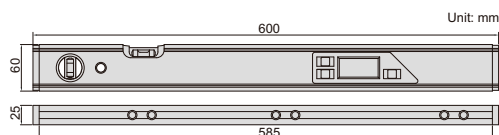
MACHINISTS' LEVELS

- With transverse and longitudinal vials
- V-groove on bottom for shafts (shafts dia. 15-60mm for 4904-150, and 15-70mm for 4904-200/300)
- Supplied with adjust wrench



Code	Sensitivity	Size (L)	a	b	Price(₹)
4904-150	0.3mm/m(=0.017°)	150mm	150mm	58mm	6971
4904-200	0.3mm/m(=0.017°)	200mm	135mm	73mm	7756
4904-300	0.3mm/m(=0.017°)	300mm	216mm	73mm	8980

DIGITAL LEVEL



- With transverse and longitudinal vials
- Used as level and protractor
- Aluminum frame
- Magnetic bottom
- The sea level is permanently set inside the chip, zero setting is not needed when batteries are replaced
- Buttons: ON/OFF, absolute and incremental measurement, keep the reading, buzzer alarm, unit (mm/m, %, in/ft) conversion, backlight
- The display flips over when the bottom faces up
- Two AAA batteries, automatic power off

BACKLIGHT

BUZZER ALARM AT 0° AND 90°

ABSOLUTE LEVEL

Code	Range	Resolution	Accuracy	Price(₹)
4910-600	0-360° (90°x4)	at 0° and 90°: 0.05°(=0.8725mm/m); others: 0.1°(=1.745mm/m)	at 0° and 90°: ±0.1°; others: ±0.2°	5376

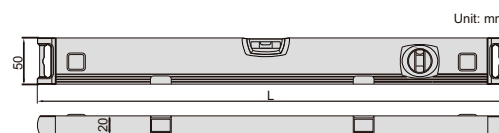
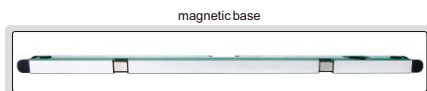
ALUMINUM LEVELS

MAGNETIC BASE

VIALS LIFETIME WARRANTY



- Shockproof horizontal and vertical vials
- Magnetic base
- Shock absorbing rubber end caps
- Working temperature: -15°C~55°C



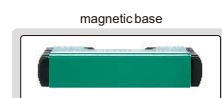
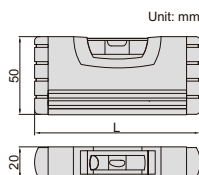
Code	Size (L)	Accuracy	Price(₹)
4914-300	300mm	0.5mm/m	851
4914-600	600mm	0.5mm/m	1096
4914-800	800mm	0.5mm/m	1364
4914-1000	1000mm	0.5mm/m	1568
4914-1200	1200mm	0.5mm/m	1706

PORTABLE LEVEL

MAGNETIC BASE

VIALS LIFETIME WARRANTY

- Shockproof vials
- Magnetic base
- Shock absorbing rubber end caps
- Working temperature: -15°C~55°C



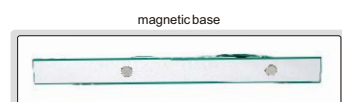
Code	Size (L)	Accuracy	Price(₹)
4912-100	100mm	0.5mm/m	455

4912-100

CAST ALUMINUM LEVEL

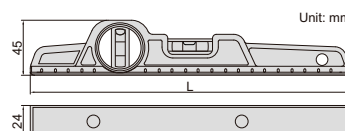
MAGNETIC BASE

VIALS LIFETIME WARRANTY

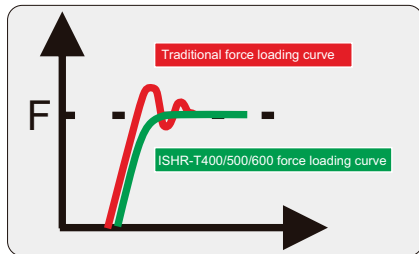


- Shockproof horizontal and vertical vials
- Magnetic base
- Working temperature: -15°C~55°C
- Cast aluminum body

Code	Size (L)	Accuracy	Price(₹)
4913-250	250mm	0.5mm/m	774



The preliminary and total test force are loaded by high speed close-loop system automatically, faster and more stable than traditional motor loading. Loading process is smooth, no overshoot. Loading speed and accuracy are improved greatly



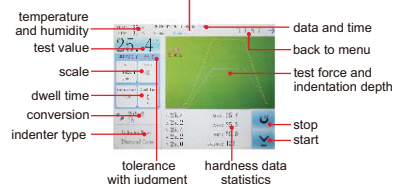
DIGITAL ROCKWELL/SUPERFICIAL ROCKWELL HARDNESS TESTERS (DOLPHIN-NOSE MODEL)

INSIZE
INSPECTION
CERTIFICATE

- Automatic testing, the preliminary and total test force are loaded by high speed close-loop system automatically
- High accuracy (0.5HR)
- Dolphin-nose indenter for easy reach of the internal wall of pipes and grooves, the minimum internal diameter is 40mm
- Can be connected to PLC controller
- LCD touch screen
- Tolerance with judgement
- Memory of 120 test values for browsing and output
- Provide the maximum, minimum and average value of measurements
- The test process curve shows the material property
- Test force is selected automatically according to hardness scale



ISHR-T600



FORCE LOADING BY CLOSE-LOOP SYSTEM (WITHOUT WEIGHTS)

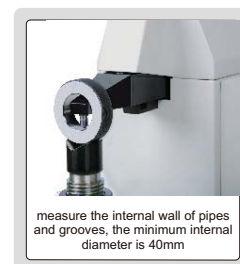
AUTOMATIC TESTING, CONTINUOUS TESTING IS AVAILABLE

HIGH ACCURACY

HIGH TEST SPEED

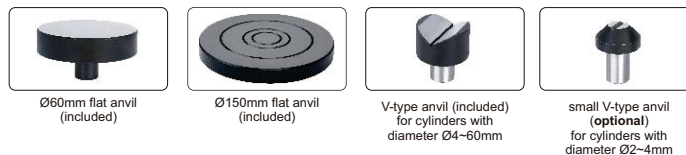
SPECIFICATION

Code	ISHR-T400	ISHR-T500	ISHR-T600
Price (₹)	626765	676773	806097
Type	Rockwell	Superficial Rockwell	Rockwell and Superficial Rockwell
Hardness scale	with standard indenters	HR15N, HR30N, HR45N, HR15T, HR30T, HR45T	HRA, HRB, HRC, HRD, HRF, HRG, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
	with optional indenters	HR15W, HR30W, HR45W, HR15X, HR30X, HR45X, HR15Y, HR30Y, HR45Y	HRE, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV
Preliminary test force	Rockwell: 98N (10kg)	Superficial Rockwell: 29.4N (3kg)	Rockwell: 98N (10kg) Superficial Rockwell: 29.4N (3kg)
Total test force	588N (60kg), 980N (100kg), 1471N (150kg)	147.1N (15kg), 294.2N (30kg), 441.3N (45kg)	147.1N (15kg), 294.2N (30kg), 441.3N (45kg), 588N(60kg), 980N(100kg), 1471N(150kg)
Conversion scale	HR, HB, HK, HV		
Stage elevation	manual		
Load control	high speed close-loop system automatic loading (load/dwell/unload)		
Load dwell time	0~99 second		
Resolution	0.1HR		
Data output	built-in printer, RS232		
Max. workpiece height	260mm		
Max. workpiece depth	150mm (from the center of indenter to the main body)		
Power supply	110/220V, 50/60Hz		
Dimension	700×260×700mm		
Weight	85kg		



STANDARD DELIVERY

Code	ISHR-T400	ISHR-T500	ISHR-T600
Main unit	1 pc	1 pc	1 pc
Ø60mm flat anvil	1 pc	1 pc	1 pc
Ø150mm flat anvil	1 pc	1 pc	1 pc
V-type anvil	1 pc	1 pc	1 pc
Ø1.5875mm carbide ball indenter	1 pc	1 pc	1 pc
Diamond indenter	1 pc	1 pc	1 pc
Hardness test block HRB88~95	1 pc	—	1 pc
Hardness test block HRC20~30	1 pc	—	1 pc
Hardness test block HRC40~50	1 pc	—	1 pc
Hardness test block HRC60~65	1 pc	—	1 pc
Hardness test block 78~88HR15N	—	1 pc	1 pc
Hardness test block 55~73HR30N	—	1 pc	1 pc
Hardness test block 57~69HR30T	—	1 pc	1 pc



OPTIONAL ACCESSORY

Hardness test block HRB88~95	ISH-BHRB
Hardness test block HRC20~30	ISH-BHRC1
Hardness test block HRC40~50	ISH-BHRC2
Hardness test block HRC60~65	ISH-BHRC3
Hardness test block 78~88HR15N	ISH-BHR15N1
Hardness test block 55~73HR30N	ISH-BHR30N1
Hardness test block 57~69HR30T	ISH-BHR30T1
Small V-type anvil	ISH-SMALL ANVIL

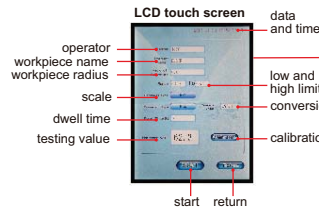
FORCE LOADING BY ELECTRIC MOTOR (WITHOUT WEIGHTS)

DATA OUTPUT

AUTOMATIC DIGITAL ROCKWELL/SUPERFICIAL ROCKWELL/ROCKWELL AND SUPERFICIAL ROCKWELL HARDNESS TESTER

INSPECTION CERTIFICATE

- Automatic testing, the preliminary and main test force is loaded automatically
- LCD touch screen, easy operation
- Convert to other Rockwell scales, HV or HB automatically
- Low and high limits
- Insert USB flash disk, save the testing results as Excel
- Self-correcting the hardness value for curved workpiece
- Force loading by electric motor (without weights)
- The test force is selected automatically according to hardness scale

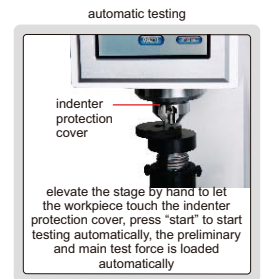


ISH-RSR400



SPECIFICATION

Code	ISH-RSR400**	ISH-RSR500**	ISH-RSR600**
Price (₹)	402472	457921	651987
Type	Rockwell	superficial Rockwell	Rockwell and superficial Rockwell
Hardness scale	with standard indenters	HRA, HRB, HRC, HRD, HRF, HRG	HRA, HRB, HRC, HRD, HRF, HRG, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
	with optional indenter	HRE, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV	HR15W, HR30W, HR45W, HR15X, HR30X, HR45X, HR15Y, HR30Y, HR45Y
Preliminary test force	98N/10kgf for Rockwell	29.4N/3kgf for superficial Rockwell	98N/10kgf for Rockwell 29.4N/3kgf for superficial Rockwell
Test force	588N(60kg), 980N(100kg), 1471N(150kg)	147.1N (15kg), 294.2N (30kg), 441.3N (45kg)	147.1N (15kg), 294.2N (30kg), 441.3N (45kg), 588N(60kg), 980N(100kg), 1471N(150kg)
Stage elevation	manual		
Load control	automatic (load/dwell/unload)		
Load dwell time	0 ~ 60 second		
Resolution	0.1HR		
Output	USB		
Max. workpiece height	220mm		
Max. workpiece depth	200mm (from the center of indenter)		
Power supply	220V, 50/60Hz**		
Dimension	510×260×780mm		
Weight	70kg		



STANDARD DELIVERY

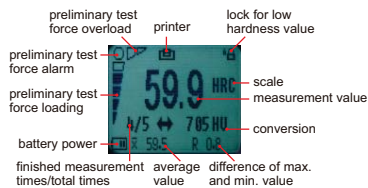
Code	ISH-RSR400**	ISH-RSR500**	ISH-RSR600**
Main unit	1 pc	1 pc	1 pc
Ø63mm flat anvil	1 pc	1 pc	1 pc
Ø150mm flat anvil	1 pc	1 pc	1 pc
V-type anvil	1 pc	1 pc	1 pc
Diamond indenter	1 pc	1 pc	1 pc
Ø1.5875mm carbide ball indenter	1 pc	1 pc	1 pc
Hardness test block HRB88-95	1 pc	—	1 pc
Hardness test block HRC60-65	1 pc	—	1 pc
Hardness test block HRC20-30	1 pc	—	1 pc
Hardness test block 78-88HR15N	—	1 pc	1 pc
Hardness test block 55-73HR30N	—	1 pc	1 pc
Hardness test block 57-69HR30T	—	1 pc	1 pc
USB flash disk (8G)	1 pc	1 pc	1 pc
Level	1 pc	1 pc	1 pc
Touch pen	1 pc	1 pc	1 pc
Anti-dust cover	1 pc	1 pc	1 pc

OPTIONAL ACCESSORY

Hardness test block HRB88-95	ISH-BHRB
Hardness test block HRC60-65	ISH-BHRC3
Hardness test block HRC20-30	ISH-BHRC1
Hardness test block 78-88HR15N	ISH-BHR15N1
Hardness test block 55-73HR30N	ISH-BHR30N1
Hardness test block 57-69HR30T	ISH-BHR30T1
Small V-type anvil	ISH-SMALL ANVIL

** Add "-U" on code No. when power supply is 110V, 50/60Hz

MANUAL DIGITAL ROCKWELL HARDNESS TESTER CODE ISH-RD200



software CD (included)



- Low and high limits with alarm
- Set testing times (2~9) to have average value and the difference of max. and min. value
- Convert to HV or HB automatically
- Memory of 1000 testing values for browsing and output
- Testing value can be sent to wireless printer automatically
- Calibration function compensates the testing value for high accuracy
- The hardness value of soft materials like plastic is not stable. The lock function can obtain the value automatically
- Display unit is automatic power off

SPECIFICATION

Price(₹)	147910
Hardness scale	HRA, HRB, HRC, HRD HRF, HRG (with standard indenters) HRE, HRH, HRK (with optional indenter)
Preliminary test force	98N
Test force	588N, 980N, 1471N
Stage elevation	manual
Load control	manual
Resolution	0.1HR
Output	wireless and USB
Memory	1000
Max. workpiece height	170mm
Max. workpiece depth	165mm (from the center of indenter)
Power supply	built-in rechargeable battery
Dimension	520x160x700mm
Weight	60kg



STANDARD DELIVERY

Main unit	1pc
Ø60mm flat anvil	1pc
Ø150mm flat anvil	1pc
V-type anvil	1pc
Diamond indenter	1pc
Ø1.5875mm carbide ball indenter	1pc
Hardness test block HRB88~95	1pc
Hardness test block HRC60~65	1pc
Hardness test block HRC20~30	1pc
Anti-dust cover	1pc
USB cable and software	1pc
AC/DC adapter	1pc



OPTIONAL ACCESSORY

Wireless printer	ISH-DS-PRINTER
Ø3.175mm carbide ball indenter	ISH-EHK-INDENTER
Hardness test block HRB88~95	ISH-BHRB
Hardness test block HRC60~65	ISH-BHRC3
Hardness test block HRC20~30	ISH-BHRC1
Small V-type anvil	ISH-SMALL ANVIL

MANUAL ROCKWELL HARDNESS TESTER CODE ISH-R150

SPECIFICATION

Price(₹)	131383
Hardness scale	HRA, HRB, HRC, HRD, HRF, HRG
Preliminary test force	98N
Test force	588N, 980N, 1471N
Display	analogue
Stage elevation	manual
Load control	manual
Min. reading	0.5HR
Max. workpiece height	170mm
Max. workpiece depth	165mm (from the center of indenter)
Dimension	520x160x700mm
Weight	60kg

STANDARD DELIVERY

Main unit	1pc
Ø60mm flat anvil	1pc
Ø150mm flat anvil	1pc
V-type anvil	1pc
Diamond indenter	1pc
Ø1.5875mm carbide ball indenter	1pc
Hardness test block HRB88~95	1pc
Hardness test block HRC60~65	1pc
Hardness test block HRC20~30	1pc
Anti-dust cover	1pc



INSPECTION
CERTIFICATE



OPTIONAL ACCESSORY

Hardness test block HRB88~95	ISH-BHRB
Hardness test block HRC60~65	ISH-BHRC3
Hardness test block HRC20~30	ISH-BHRC1
Small V-type anvil	ISH-SMALL ANVIL

DIGITAL MICRO-VICKERS HARDNESS TESTER CODE ISH-TDV1000A

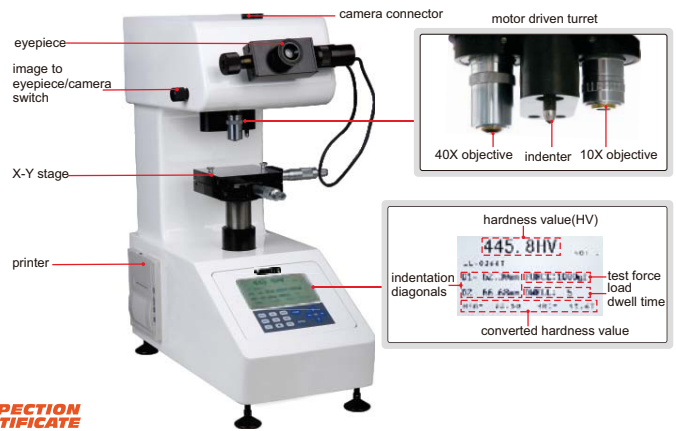
SPECIFICATION

Price(₹)	864402
Test force	0.01, 0.025, 0.05, 0.1, 0.2, 0.3, 0.5, 1kgf
Vickers scales	HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1
Stage elevation	manual
Load control	automatic (load/dwell/unload)
Load dwell time	5-60second (5 second increment)
Objective	10X, 40X
Eyepiece	15X
Total magnification	150X (for observation) 600X (for measurement)
Max. workpiece height	85mm
Max. workpiece depth	85mm (from the center of indenter)
X-Y stage	dimensions: 100×100mm
	travel range: 25×25mm
	graduation: 0.01mm
Data output	RS232C
Power supply	110/220V, 50Hz **
Dimension	540×500×640mm
Weight	50kg

** Add "-B" on code No. when power supply is 110/220V, 60Hz

OPTIONAL ACCESSORY

20X objective	ISH-TDV-20X
Hardness test block (400 ~ 500HV0.2)	ISH-BHV02A
Hardness test block (700 ~ 800HV1)	ISH-BHV1
Measuring system	9631-130
Camera adapter	ISH-TDV-ADAPTER



INSPECTION CERTIFICATE

- Measure hardness of thin or small workpieces
- Based on Vickers(HV), can be converted to Rockwell(HRA, HRB and HRC)

STANDARD DELIVERY

Main unit	1pc
10X, 40X objective	1pc of each
Micro Vickers indenter	1pc
Hardness test block(400 ~ 500HV0.2)	1pc
Hardness test block(700 ~ 800HV1)	1pc
Slice holder	1pc
Vice	1pc
Cylinder holder	1pc
Level	1pc
Anti-dust cover	1pc



AUTOMATIC BRINELL HARDNESS TESTER CODE ISHB-M100*

- LCD touch screen, easy operation
- Automatic testing after preliminary test force is loaded by hand
- Measure indentation diameter by measuring microscope, input the diameters, the hardness value is shown on screen automatically
- Force loading by electric motor, without weights

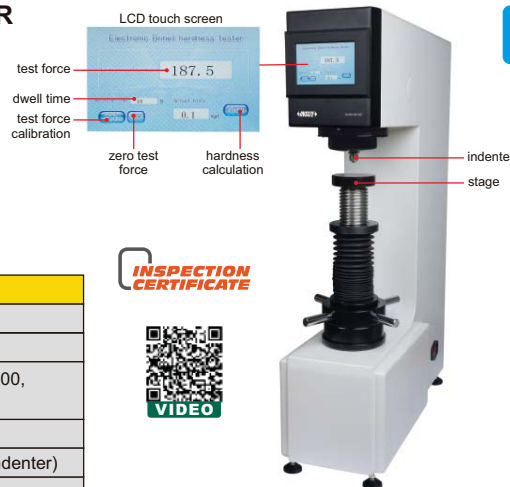
SPECIFICATION

Price(₹)	238006	
Range	8-650HBW	
Reading mode	directly read from LCD	
Test force	62.5, 100, 125, 187.5, 250, 500, 750, 1000, 1500, 3000kgf	
Max. height of workpiece	230mm	
Max. depth of workpiece	160mm (from the center of indenter)	
Stage elevation	manual	
Load control	automatic (load/dwell/unload)	
Load dwell time	5-60 second	
Measuring microscope	magnification	20X
	graduation	0.01mm
Power supply	220V, 50/60Hz *	
Dimension	550×210×750mm	
Weight	90kg	

* Add "-U" on code No. when power supply is 110V, 50/60Hz

OPTIONAL ACCESSORY

Hardness test block 150~250HBW2.5/187.5	ISH-BHB25B
Hardness test block 75~125HBW10/1000	ISH-BHB10A
Hardness test block 175~250HBW10/3000	ISH-BHB10B
Brinell indentation measuring system	ISHB-TSA/TSB

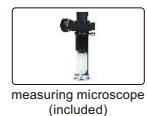


INSPECTION CERTIFICATE



AUTOMATIC TESTING AFTER PRELIMINARY TEST FORCE IS LOADED BY HAND

FORCE LOADING BY ELECTRIC MOTOR (WITHOUT WEIGHTS)



STANDARD DELIVERY

Main unit	1pc
Ø80mm flat anvil	1pc
Ø180mm flat anvil	1pc
V-type anvil	1pc
Ø2.5mm carbide ball indenter	1pc
Ø5mm carbide ball indenter	1pc
Ø10mm carbide ball indenter	1pc
Hardness test block 150~250HBW2.5/187.5	1pc
Hardness test block 75~125HBW10/1000	1pc
Hardness test block 175~250HBW10/3000	1pc
Measuring microscope	1pc
Anti-dust cover	1pc



ULTRASONIC HARDNESS TESTER CODE ISHU-330

INSPECTION
CERTIFICATE



HARDNESS BLOCKS FOR
CALIBRATION ARE OPTIONAL

DATA
OUTPUT

- Small test indentation
- Test force and time are not affected by the operator
- Quick test, only 2 seconds
- Average and statistics test modes
- Memory of 1024 test results for browsing and output
- Automatic power off
- Anti-dust and waterproof

Application:

1. For steel, non-ferrous metal and alloy
2. Test surface hardening layers (carburized, nitriding, high frequency hardened, etc.) and plating (like chrome plating)
3. Suitable for thin wall or edge of workpieces
4. Suitable for small areas like arc, conical surface and other complex shapes
5. Suitable for small or light workpieces
6. Suitable for narrow spaces, like grooves and blind holes
7. Test large workpieces at any direction
8. Suitable for rough surfaces



test flat surfaces
(with the cover)

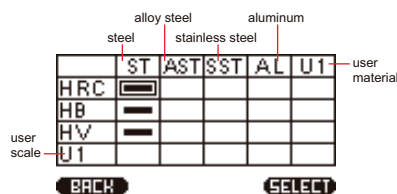


test cylinder surfaces
(use V-groove on the cover)



test narrow areas
(remove the cover)

software CD (included)



select the material and scale, use the corresponding standard hardness blocks or workpieces for calibration (calibration of HRC, HB and HV for steel are already made, calibration is needed before use other materials and scales)

STANDARD DELIVERY

Main unit	1pc
Probe A	1pc
Rechargeable battery	2pcs
Charger	1pc
USB cable and software	1pc

SPECIFICATION OF MAIN UNIT

Price(₹)	218483	
Hardness scale	HV, HB, HRC, MPa	
Range	100~940HV, 80~650HB, 20~70HRC, 370~1740MPa	
Resolution	1HV, 1HB, 0.1HRC, 1MPa	
Accuracy	HB	±3%
	HV	±3%
	HRC	±1.5%
Data output	USB	
Operating temperature	-20°C~+40°C	
Power supply	built-in rechargeable battery	
Dimension of main unit	120×60×25mm	
Weight of main unit	200g	

SPECIFICATION OF PROBE

Type	A (standard)	B (optional)
Test force	50N	10N (small force)
Application	general use	plating
Maximum roughness of workpiece (Ra)	2.5µm	1.5µm
Minimum weight of workpiece (direct measurement)	0.1kg*	0.1kg*
Minimum thickness of workpiece (direct measurement)	1mm*	1mm*
Minimum radius of workpiece	5mm	5mm
Minimum thickness of surface hardening layer or plating	0.1mm	0.03mm
Minimum test area	Ø1mm	Ø1mm
Dimension and weight of probe	140×Ø37mm, 271g	145×Ø37mm, 271g

*If the weight or thickness of workpiece is less than required, the workpiece should be fixed or coupled on solid support

OPTIONAL ACCESSORY

Probe B	ISHU-460-B
Couplant	ISH-COULPLANT
Hardness block HRC20~30	ISH-BHRC1
Hardness block HRC45~50	ISH-BHRC2
Hardness block HRC60~65	ISH-BHRC3
Hardness block 150~250HV5	ISH-BHV5A
Hardness block 400~500HV5	ISH-BHV5B
Hardness block 650~750HV5	ISH-BHV5C
Hardness block 75~125HBW10/1000	ISH-BHB10A
Hardness block 175~250HBW10/3000	ISH-BHB10B
Hardness block 400~500HBW10/3000	ISH-BHB10C

PORTABLE HARDNESS TESTER (ECONOMIC MODEL) CODE ISHL-P100

- Supplied with impact device D
- Based on Leeb (HLD), converted to Vickers (HV), Brinell (HB), Rockwell (HRC and HRB), Shore (HS) and tensile strength (MPa)
- Set test times (1~32) to have average value
- Memory of 100 test values for browsing
- Automatic power off



hardness test
block D (included)



small support
ring (included)

SPECIFICATION

Price(₹)	41121	
Min. reading	1HLD, 1HV, 1HB, 0.1HRC, 0.1HRB, 1HS, 1MPa	
Accuracy	±8HLD (when HLD=760±30)	
Display	Leeb, conversion hardness, material, impact direction, test times, average value, time	
Applicable workpiece	minimum weight	5kg 2kg (on solid support) 0.1kg (coupled on plate)
	minimum thickness: 5mm	
	minimum radius of curved surface: 30mm	
	maximum roughness (Ra): 1.6µm	
Power supply	3×AAA batteries	
Dimension	155×72×27mm	
Weight	280g	

STANDARD DELIVERY

Main unit	1pc
Impact device D	1pc
Hardness test block D	1pc
Small support ring	1pc
Cleaning brush	1pc

OPTIONAL ACCESSORY

Couplant	ISH-COULPLANT
Hardness test block D	ISHL-P100-BLOCK
Support rings	see details

PORTABLE HARDNESS TESTER CODE ISH-PHB



SPECIFICATION

Price (₹)	50703	
Min. reading	1HLD, 1HV, 1HB, 0.1HRC, 0.1HRB, 1HS, 1MPa	
Accuracy	±6HLD (when HLD=800)	
Display	Leeb (HLD), converted hardness, material, impact direction, test times, average value, date	
Output	bluetooth	
Applicable workpiece	minimum weight	5kg
		2kg (on solid support)
		0.1kg(coupled on plate)
	minimum thickness: 5mm	
	minimum radius of curved surface: 30mm	
	maximum roughness (Ra): 1.6µm	
Power supply	3×AAA batteries	
Dimension	150×84×28mm	
Weight	200g	



- Based on Leeb (HLD), converted to Vickers (HV), Brinell (HB), Rockwell (HRC and HRB), Shore (HS) and tensile strength (MPa)
- Memory of 99 measurement values for browsing
- Set measurement times (1-9) to have average value
- Connected with printer via bluetooth
- Automatic power off
- According to ASTM A 956



hardness test block D (included) small support ring (included) wireless printer (optional)

APPLICABLE MATERIAL AND HARDNESS RANGE FOR IMPACT DEVICE D

Material	HLD	HV	HB	HRC	HRB	HS	Tensile strength (MPa)
Steel & cast steel	300-900	81-955	81-654	20-68	38-100	32-100	375-2639
Tool steel	300-840	80-898		20-67			
Stainless steel	300-800	85-802	85-655		46-101		
Cast iron	360-650		93-334				
Cast aluminum alloy	170-570		19-164		23-84		
Brass	200-550		40-173		13-95		
Bronze	300-700		60-290				
Copper	200-690		45-315				

STANDARD DELIVERY

Main unit	1pc
Impact device D	1pc
Hardness test block D	1pc
Small support ring	1pc
Cleaning brush	1pc

OPTIONAL ACCESSORY

Wireless printer	ISH-DS-PRINTER
Couplant	ISH-COUPPLANT
Support rings	see details
Hardness test block D	ISH-BHLD

WEBSTER HARDNESS TESTERS



- To measure the hardness of soft metal such as aluminum alloy, copper, brass, soft steel, etc.
- According to ASTM B647-84 (2000)



ISHW-L20

STANDARD DELIVERY

Main unit	1pc
Spare indenter	1pc
Hardness test block	1pc
Wrench	1pc

SPECIFICATION

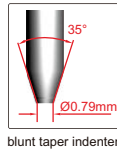
Code	ISHW-L20	ISHW-L20A	ISHW-L20B	ISHW-B70	ISHW-B75	ISHW-B92
Price (₹)	110628	140420	140420	116267	116267	116267
Application	for aluminum alloy general use	for aluminum alloy thick workpiece	for aluminum alloy small tube	for hard aluminum alloy and hard brass	for soft brass and copper	for soft steel and cold-rolled steel
Thickness requirement of flat workpiece	0.6~6mm	0.6~13mm	0.6~8mm	0.6~6mm	0.6~6mm	0.6~6mm
Internal diameter requirement of tube workpiece	>Ø10mm	>Ø10mm	>Ø6mm	>Ø10mm	>Ø10mm	>Ø10mm
Wall thickness requirement of tube workpiece	0.6~6mm	6~13mm (internal diameter Ø10~23.3mm) 0.6~6mm (internal diameter >Ø23.3mm)	0.6~8mm	0.6~6mm	0.6~6mm	0.6~6mm
Hardness range	0~20HW					
Min. reading	1HW					
Accuracy	±0.5HW (at 5~17HW)					
Dimension	205×30×85mm					
Weight	500g					

DIGITAL SHORE DUROMETERS

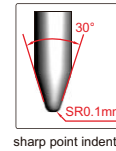
DATA
OUTPUT



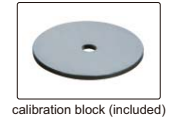
- According to ISO868, ISO7619, ASTM D 2240
- Average and peak (max.) mode
- Dwell time is adjustable
- Low and high limits with judgement
- 500 memories
- Wireless connection to printer
- Handhold use or work with test stand (code ISH-DS-STANDA)
- Automatic power off



ISH-DSA



ISH-DSD



calibration block (included)



printer (optional)



software CD (included)

SPECIFICATION

Code	ISH-DSA	ISH-DSD
Price(₹)	26194	29919
Unit	Shore A	Shore D
Test material	soft plastic, soft rubber, etc.	hard plastic, hard rubber, etc.
Measuring range*	0~100HA	0~100HD
Resolution	0.1HA	0.1HD
Accuracy	±1HA	±1HD
Indenter protrusion	2.5mm	
Output	wireless and USB	
Power supply	built-in rechargeable battery	
Dimension	153x50x29mm	
Weight	170g	

STANDARD DELIVERY

Main unit	1pc
Calibration block	1pc
USB cable and software	1pc
AC/DC adapter	1pc

OPTIONAL ACCESSORY

Printer	ISH-DS-PRINTER
Test stand	ISH-DS-STANDA
Weight block D (for ISH-DSD)	ISH-DS-W4

- *Use ISH-DSD when measuring result is higher than 90HA
Use ISH-DSA when measuring result is lower than 20HD

TEST STAND FOR DIGITAL SHORE DUROMETERS CODE ISH-DS-STANDA

- For digital shore durometers (code ISH-DSA and ISH-DSD)
- Can perform repeatable hardness measurement due to fewer possibilities of human error or measurement variations
- Special structure for stable loading
- Weight block A is for ISH-DSA, weight block D is for ISH-DSD



weight block D (optional)
for ISH-DSD

SPECIFICATION

Price(₹)	34163
Stage diameter	Ø115mm
Maximum workpiece height	45mm
Weight block	weight block A (for ISH-DSA)
Dimension	Ø195×370mm
Weight	5.61kg

OPTIONAL ACCESSORY

Weight block D (for ISH-DSD)	ISH-DS-W4
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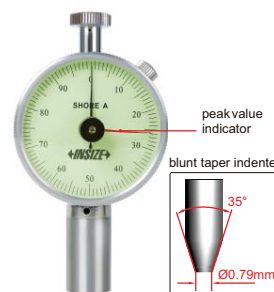


SHORE DUROMETERS

SPECIFICATION

Code	ISH-SAM	ISH-SDM
Price(₹)	8330	14620
Scale	Shore A	Shore D
Application	natural rubber, soft elastomer, etc.	hard elastomer, plastic, hard rubber, etc.
Measuring range*	10~90HA	20~90HD
Graduation	1HA	1HD
Indenter protrusion	2.5mm	
Dimension	115x60x25mm	
Net weight	160g	

- *Use ISH-SDM when measuring result is higher than 90HA
Use ISH-SAM when measuring result is lower than 20HD



ISH-SAM



ISH-SDM

- According to ISO868, ISO7619, ASTM D 2240
- With peak value indicator
- Optional accessory: test stand ISH-STAC and ISH-STD



TESTING STAND FOR SHORE DUROMETERS



durometer is optional



ISH-STAC

weight block

durometer is optional



ISH-STD

- For shore durometers (code ISH-SAM and ISH-SDM)
- Perform repeatable hardness measurement due to fewer possibilities of human error or measurement variations

SPECIFICATION

Code	ISH-STAC	ISH-STD
Price (₹)	14166	17302
Applicable durometer	ISH-SAM	ISH-SDM
Stage diameter	Ø100mm	Ø100mm
Maximum workpiece height	75mm	75mm
Weight block	1kg	5kg

TEST STAND FOR DIGITAL FORCE GAGES CODE ISF-MT1K



horizontal orientation test



digital scale (optional)



- For digital force gages (code ISF-1DFxx)
- To be used in vertical and horizontal orientation

SPECIFICATION

Price (₹)	33511
Load capacity	1000N
Travel	200mm (3mm vertical movement per revolution of handwheel)
Dimension	196x250x446mm
Weight	13kg

OPTIONAL ACCESSORY

Digital scale (range: 200mm, resolution: 0.01mm/0.0005")	ISF-MT1K-SCALE
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force gages are not included

DIGITAL FORCE GAGES

- Push and pull test
- Units: N, gf, kgf, ozf, lbf
- 500 memories
- Automatic power off
- Metal case
- LCD display with backlight
- The display flips over when the bottom faces up
- Overload alarm



DATA OUTPUT



ISF-1DF100

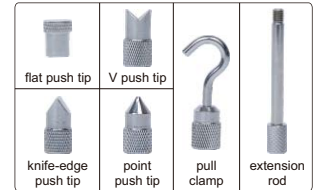
printer (optional)



software CD (included)



accessory (included)



SPECIFICATION

Code	ISF-1DF10	ISF-1DF50	ISF-1DF100	ISF-1DF500	ISF-1DF1000
Price (₹)	24817	24817	24817	24817	24817
Load capacity (N)	10	50	100	500	1000
Resolution (N)	0.01	0.01	0.1	0.1	1
Accuracy	±0.3% (of load capacity)				
Measuring mode	tracking, peak (max.), low and high limits with judgement				
Power supply	built-in rechargeable battery				
Dimension	150×73×33mm				
Weight	450g				

STANDARD DELIVERY

Main unit	1pc
AC/DC adapter	1pc
USB cable and software	1pc
Push/pull accessory	6pcs (flat push tip, V push tip, knife-edge push tip, point push tip, pull clamp, extension rod)

OPTIONAL ACCESSORY

Printer	ISF-DF-PRINTER
Test stand	ISF-MT1K

FORCE GAGES



ISF-F500



- Push and pull test
- Peak (max.) or tracking mode

SPECIFICATION

Code	ISF-F30	ISF-F50	ISF-F100	ISF-F200	ISF-F300	ISF-F500
Price (₹)	10375	9057	9057	9057	9057	9057
Capacity	N	30	50	100	200	300
	kgf	3	5	10	20	30
Graduation	N	0.2	0.25	0.5	1	2
Accuracy	±1% (of load capacity)					

STANDARD DELIVERY

Main unit	1pc
Push tip	4pcs (flat, V type, knife-edge, point)
Pull clamp	1pc
Extension rod	1pc

OPTIONAL ACCESSORY

Test stand	ISF-MT500
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TEST STAND FOR FORCE GAGES CODE ISF-MT500



- For force gages (code ISF-FXX)
- To be used in vertical and horizontal orientation

SPECIFICATION

Price(₹)	10369
Load capacity	500N
Travel	150mm (3mm vertical movement per revolution of handwheel)
Dimension	160×240×460mm
Weight	12kg



horizontal orientation test

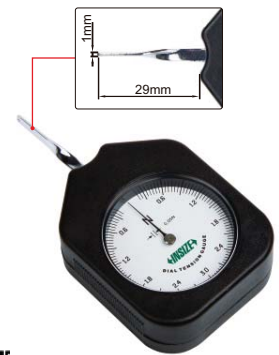
force gages is optional



DIAL TENSION GAGES

SPECIFICATION (Unit: N)

Code	ISF-TGD1	ISF-TGD3	ISF-TGD5	ISF-TG1	ISF-TG1D5	ISF-TG3	ISF-TG5
Price(₹)	3632	3632	3632	3632	3632	3632	3632
Range (N)	0.01~0.1	0.03~0.3	0.05~0.5	0.1~1	0.15~1.5	0.3~3	0.5~5
Graduation (N)	0.002	0.005	0.01	0.02	0.025	0.05	0.1
Accuracy	±2% (full scale)						
Dimension (L×W×H)	90×47×19mm						
Weight	60g						



SPECIFICATION (Unit: gf)

Code	ISF-TG10	ISF-TG30	ISF-TG50	ISF-TG100	ISF-TG150	ISF-TG300	ISF-TG500
Price(₹)	3632	3632	3632	3632	3632	3632	3632
Range (gf)	1~10	3~30	5~50	10~100	15~150	30~300	50~500
Graduation (gf)	0.2	0.5	1	2	2.5	5	10
Accuracy	±2% (full scale)						
Dimension (L×W×H)	90×47×19mm						
Weight	60g						



ISF-TG3

- Clockwise and counter-clockwise use
- For electronic and precision mechanical industry, such as measure contact pressure of relay, adjust the tension or compression of spring

DIGITAL TORQUE SCREWDRIVERS

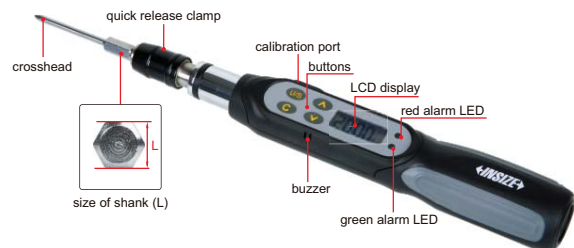
INSPECTION
CERTIFICATE

SPECIFICATION

Code	IST-SD50	IST-SD200	IST-SD400
Price(₹)	24121	24121	24121
Range	10~50cN.m	40~200cN.m	80~400cN.m
Accuracy	clockwise	±3%	±2.5%
	counter-clockwise	±4%	±3.5%
Resolution	0.1cN.m	0.1cN.m	0.1cN.m
Size of shank (L)	1/4"	1/4"	1/4"
Power supply	1xAAA battery		
Length	193mm	203mm	203mm
Weight	190g	200g	200g

OPTIONAL ACCESSORY

Calibration cable	IST-SD-CABLE
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IST-SD200

- Clockwise and counter-clockwise operation
- Unit: cN.m, in.lb, kg.cm
- Peak and track working mode
- Target torque value can be set, with audible and visible alarm:
 - Green LED light on and buzzer sounds when target torque value is 90%~100% of target torque
 - Red LED light on and buzzer sounds when target torque value is reached
- Power off automatically in 5 minutes without any operations

software CD (optional)



PRESET TORQUE SCREWDRIVER

- Meet DIN ISO 6789
- Torque value can be preset within the adjust range (torque adjustment tool IST-P-TOOL and torque tester are needed)
- Clockwise and counter-clockwise operation



torque adjust tool (optional)

INSPECTION CERTIFICATE



IST-PS2

SPECIFICATION

Code	IST-PS06	IST-PS06B	IST-PS2	IST-PS2B	IST-PS4	IST-PS4B	IST-PS6	IST-PS6B
Price(₹)	6520	6520	6520	6520	6520	6520	8344	8344
Adjust range*	0.2~0.6N.m	0.2~0.6N.m	0.6~2N.m	0.6~2N.m	0.4~4N.m	0.4~4N.m	0.4~6N.m	0.4~6N.m
Accuracy	±6%	±6%	±6%	±6%	±6%	±6%	±6%	±6%
Head type	1/4" square driver	1/4" hex socket	1/4" square driver	1/4" hex socket	1/4" square driver	1/4" hex socket	1/4" square driver	1/4" hex socket
Length	155mm	155mm	155mm	155mm	155mm	155mm	185mm	185mm
Weight	180g	180g	185g	185g	260g	260g	330g	330g

OPTIONAL ACCESSORY

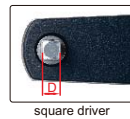
Torque adjust tool IST-P-TOOL

*Adjust to a fixed torque value according to the need

DIAL TORQUE WRENCHES

ACCURACY: ±4%

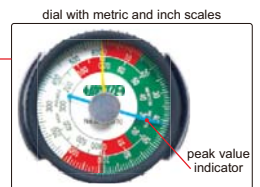
INSPECTION CERTIFICATE



square driver



IST-DW70



- Clockwise and counter-clockwise operation
- According to DIN ISO 6789, ASME B107.300

SPECIFICATION

Code	IST-DW3D5	IST-DW9	IST-DW18	IST-DW35	IST-DW70	IST-DW140	IST-DW240	IST-DW350
Price(₹)	10526	10526	10886	10886	12170	13992	13992	13992
Range	0.7~3.5N.m 6~30in.lb	1.8~9N.m 15~75in.lb	3.6~18N.m 30~150in.lb	7~35N.m 60~300in.lb	14~70N.m 120~600in.lb	28~140N.m 20~100ft.lb	48~240N.m 35~175ft.lb	70~350N.m 50~250ft.lb
Accuracy	±4%	±4%	±4%	±4%	±4%	±4%	±4%	±4%
Graduation	0.05N.m 0.5in.lb	0.1N.m 1in.lb	0.2N.m 2in.lb	0.5N.m 5in.lb	1N.m 10in.lb	2N.m 1ft.lb	3N.m 2.5ft.lb	2.5N.m 2.5ft.lb
Square driver (D)	1/4"	1/4"	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"
Length	254mm	254mm	254mm	254mm	378mm	546mm	546mm	546mm
Weight	480g	480g	480g	480g	820g	1300g	1300g	1300g



DIGITAL TORQUE ADAPTERS

- Clockwise and counter-clockwise operation
- Set the desired torque first. After reaching the desired torque, set the angle and turn the wrench at this angle to apply extra torque
- Unit: N.m, in.lb, ft.lb, kg.cm, degree
- Peak and track working mode
- Target torque or angle value can be set, with audible and visible alarm:
 - Green LED light on and buzzer sounds when torque or angle value is 80%~100% of target torque or angle
 - Both green and red LED light on and buzzer sounds when target torque or angle value is reached
- Power off in 2 minutes automatically
- Memory 50 measurement values for browsing
- With overload record (once the torque reaches 110% of the maximum range)



INSPECTION CERTIFICATE



IST-5W135A



working with ordinary wrenches

SPECIFICATION

Code	IST-5W30A	IST-5W135A	IST-5W200A	IST-5W340A
Price(₹)	20010	20540	21828	22347
Range	torque	6~30N.m	27~135N.m	40~200N.m
	angle	0~999°		
Accuracy	clockwise	±3%		
	counter-clockwise	±4%		
Resolution	angle	±2° (rotate at 90°)		
	torque	0.01N.m	0.1N.m	0.1N.m
Resolution	angle	1°		
Square socket and driver	1/4"	3/8"	1/2"	1/2"
Power supply	2xAAA batteries			
Length	Ø85×60mm	Ø85×75mm	Ø85×80mm	Ø85×80mm
Weight	150g	220g	240g	240g

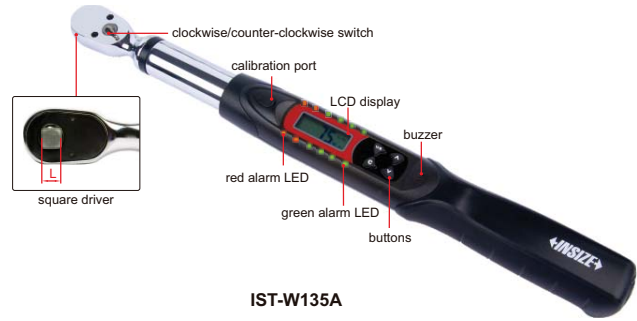
OPTIONAL ACCESSORY

Calibration cable IST-SD-CABLE

DIGITAL TORQUE WRENCHES



OPTIONAL ACCURACY FOR 6~850N.m:
CLOCKWISE: ±1%
COUNTER-CLOCKWISE: ±2%



IST-W135A

- Clockwise and counter-clockwise operation
- Unit: N.m, in.lb, ft.lb, kg.cm
- Peak and track working mode
- Target torque value can be set, with audible and visible alarm:
 - Green LED light on and buzzer sounds when torque value is 90%~100% of target torque
 - Both green and red LED light on and buzzer sounds when target torque value is reached
- Power off automatically in 5 minutes without any operations
- Non-slip grip handle
- With damp record
- With overload record (once the torque reaches 110% of the maximum range)

software CD (optional)



OPTIONAL ACCESSORY

Calibration cable	IST-W-CABLE
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SPECIFICHE

Code	Range	Accuracy	Resolution	Square driver (L)	Power supply	Length	Weight	Price(₹)
IST-W30A	6~30N.m	clockwise: ±2% counter-clockwise: ±3%	0.01N.m	1/4"	2×AA batteries	390mm	830g	17943
IST-W135A	27~135N.m		0.1N.m	3/8"		415mm	950g	18950
IST-W200A	40~200N.m		0.1N.m	1/2"		530mm	1.4kg	21414
IST-W340A	68~340N.m	clockwise: ±2.5% counter-clockwise: ±3.5%	0.1N.m	1/2"		650mm	1.6kg	23255
IST-W500A	100~500N.m		0.1N.m	3/4"		950mm	2.1kg	56244
IST-W850A	170~850N.m		0.1N.m	3/4"		1220mm	2.55kg	64750
IST-W1200A	240~1200N.m		1N.m	1"		1800mm	13kg	103042
IST-W1500A	300~1500N.m	1N.m	1"	1800mm		13kg	115402	
IST-W2000A	400~2000N.m	1N.m	1"	1800mm		14kg	134606	

TORQUE WRENCHES

ATTENTION: CLOCKWISE OPERATION ONLY



- According to DIN ISO 6789, ASME B107.300
- All-metal construction, sturdy and durable



IST-9WM335

SPECIFICATION

Code	IST-9WM12	IST-9WM20	IST-9WM30	IST-9WM60	IST-9WM100	IST-9WM125	IST-9WM200
Price(₹)	6810	6810	6356	6496	6735	7216	7234
Range (clockwise)	2.5~12N.m	4~20N.m	6~30N.m	10~60N.m	20~100N.m	25~125N.m	40~200N.m
Accuracy	±6% (<10N.m) ±4% (≥10N.m)	±6% (<10N.m) ±4% (≥10N.m)	±6% (<10N.m) ±4% (≥10N.m)	±4%	±4%	±4%	±4%
Graduation	0.1N.m	0.1N.m	0.2N.m	0.5N.m	0.5N.m	0.5N.m	1N.m
Square driver (D)	1/4"	1/4"	3/8"	3/8"	1/2"	1/2"	1/2"
Length	290mm	290mm	318mm	388mm	443mm	443mm	468mm
Weight	680g	680g	820g	960g	1040g	1040g	1160g

Code	IST-9WM335	IST-9WM500	IST-9WM800	IST-9WM1000	IST-9WM1500	IST-9WM2000	IST-9WM3000
Price(₹)	7741	40459	43903	43903	67899	67899	89807
Range (clockwise)	65~335N.m	100~500N.m	160~800N.m	200~1000N.m	300~1500N.m	400~2000N.m	600~3000N.m
Accuracy	±4%	±4%	±4%	±4%	±4%	±4%	±4%
Graduation	1N.m	2.5N.m	4N.m	5N.m	5N.m	10N.m	15N.m
Square driver (D)	1/2"	3/4"	3/4"	3/4"	1"	1"	1"
Length	528mm	855mm	1055mm	1055mm	1260mm	1260mm	1260mm
Weight	1300g	5000g	5900g	5900g	9200g	9200g	10500g

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SALES

- is our standard quality and made in Asia – Korea, China, Taiwan, etc.
- is our premium quality and mainly made in Germany, UK and Italy.
- Quality Warranty** – 12 months, against manufacturing defect. Repair or replacement will be at the discretion of the manufacturer.
- For verification of genuineness refer bar code sticker on the box.
- Manufacturer inspection certificates traceable to DKD Germany or NIST USA are provided with instruments marked in asterisk.

SERVICE

- Mobile App: scan QR code to download mobile App to view online stock and price on mobile.

REPAIRS

- Online help will be provided to repair the instrument yourself. Or you can either return the instrument to us at Ahmedabad or to the dealer along with the invoice on paid basis for faster process. Not necessary to approach our dealer for repairs.

CALIBRATION

- Ask for NABL calibration from our Dealers at extra but economical rates.

DEMO & TECHNICAL ASSISTANCE

- Demo will be provided at our showroom in Ahmedabad and at exhibitions in your city. Refer our website <http://www.insize.in/exhibition.php>, to know about our participation in your city.

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Operation Manual	http://www.insize.com/login1.php
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