INSIZE

2016

MEASURING INSTRUMENTS

EFFECTIVE: JAN. 1, 2016 - DEC. 31, 2016

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WATERPROOF DIGITAL CALIPER

IP67 WATERPROOF

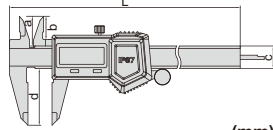**ATTENTION: IT IS NECESSARY TO SET ZERO AFTER POWER ON EACH TIME**

ATTENTION: NO DATA OUTPUT

MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO DKD

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

(mm)

Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1118-150B*	0-150mm/0-6"	±0.03mm	236	21	16	16	40	7750
1118-200B*	0-200mm/0-8"	±0.03mm	286	24	19	16	50	11750
1118-300B*	0-300mm/0-12"	±0.03mm	400	25	20.5	17	60	13618

*Supplied with manufacturer inspection certificate traceable to DKD Germany

DIGITAL CALIPER

DATA OUTPUT

MANUFACTURER 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

(mm)

Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1108-150*	0-150mm/0-6"	±0.03mm	236	21	16	16	40	2351
1108-200*	0-200mm/0-8"	±0.03mm	286	24	19	16	50	3238
1108-300*	0-300mm/0-12"	±0.03mm	400	25	20.5	17	60	5681

*Supplied with manufacturer inspection certificate traceable to DKD Germany

DIGITAL CALIPER

ATTENTION: BASIC MODEL

DATA OUTPUT

1112-150

- Resolution: 0.01mm/0.0005"
- Buttons: zero, on/off, mm/inch
- Battery LR44
- Data output
- Meet DIN862
- Optional accessory: data output cable

(mm)
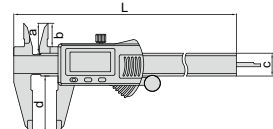
Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1112-150	0-150mm/0-6"	±0.03mm	236	21	16	16	40	2088
1112-200	0-200mm/0-8"	±0.03mm	286	24	19	16	50	2922
1112-300	0-300mm/0-12"	±0.03mm	400	25	20.5	17	60	5390

DIGITAL CALIPER

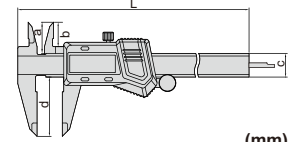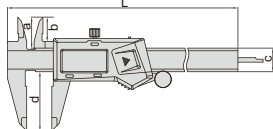**ATTENTION: NO DATA OUTPUT**

MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO DKD

1114-150A

- Zinc alloy house 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

(mm)

Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1114-150A*	0-150mm/0-6"	±0.03mm	236	21	16	16	40	2803
1114-200A*	0-200mm/0-8"	±0.03mm	286	24	19	16	50	3769
1114-300A*	0-300mm/0-12"	±0.03mm	400	25	20.5	17	60	6513

*Supplied with manufacturer inspection certificate traceable to DKD Germany

DIGITAL CALIPER

ABSOLUTE SYSTEM

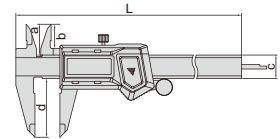MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO DKD

HIGH PRECISION

DATA OUTPUT

1103-150

- Absolute system
- Resolution: 0.01mm/0.0005"
- Buttons: mm/inch, ABS/REL, on/off, origin set
- Battery CR2032, automatic power off
- After automatic power off, move the digital unit to turn on power
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable

(mm)

Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1103-150*	0-150mm/0-6"	±0.02mm	234	21	16.5	16	40	4497
1103-200*	0-200mm/0-8"	±0.02mm	286	24	19	16	50	5677
1103-300*	0-300mm/0-12"	±0.03mm	390	26	21.5	16	60	7388

*Supplied with manufacturer inspection certificate traceable to DKD Germany

LEFT HAND DIGITAL CALIPER

MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO DKD

DATA OUTPUT

1130-150W

- Designed for left handers
- 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

(mm)
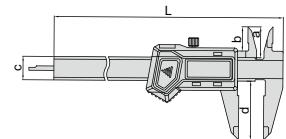
Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1130-150W*	0-150mm/0-6"	±0.03mm	236	21	16	16	40	7351
1130-200W*	0-200mm/0-8"	±0.03mm	286	24	19	16	50	8700
1130-300W*	0-300mm/0-12"	±0.03mm	400	25	20.5	17	60	12569

*Supplied with manufacturer inspection certificate traceable to DKD Germany

DIGITAL CALIPER WITH CARBIDE TIPPED JAWS

1110-150A

MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO DKD
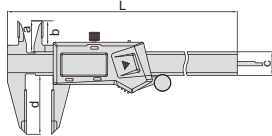
DATA OUTPUT

- 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

(mm)

Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1110-150A*	0-150mm/0-6"	±0.03mm	236	21	16	16	40	8022
1110-200A*	0-200mm/0-8"	±0.03mm	286	24	19	16	50	9597
1110-300A*	0-300mm/0-12"	±0.03mm	400	25	20.5	17	60	13282

*Supplied with manufacturer inspection certificate traceable to DKD Germany

DIGITAL CALIPER WITH CERAMIC TIPPED JAWS

1193-150

MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO DKD

DATA OUTPUT

- 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

ceramic tipped jaws

(mm)

Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1193-150*	0-150mm/0-6"	±0.03mm	235	21	16.5	16	40	5316
1193-200*	0-200mm/0-8"	±0.03mm	297	24	20	16	50	6496
1193-300*	0-300mm/0-12"	±0.03mm	390	26	21.5	16	60	8976

*Supplied with manufacturer inspection certificate traceable to DKD Germany

VERNIER CALIPER

1205-1502S

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

(mm)
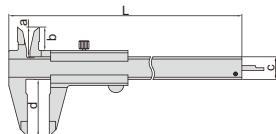
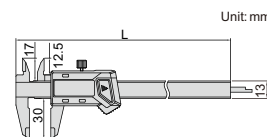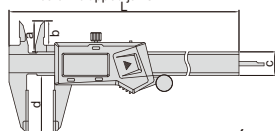| Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1205-1502S	0-150mm/0-6"	±0.03mm	235	20.5	15.5	16	40	1604
1205-2002S	0-200mm/0-8"	±0.03mm	290	23.5	19	16	50	2418
1205-3002S	0-300mm/0-12"	±0.03mm	414	27.5	22	20	64	4570

MINI DIGITAL CALIPER

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

Unit: mm

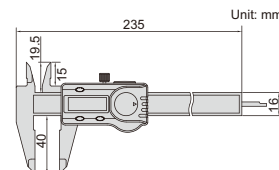| Code	Range	Accuracy	L	Price(₹)
1111-75A	0-75mm/0-3"	±0.02mm	144mm	2487
1111-100A	0-100mm/0-4"	±0.02mm	170mm	2494

PLASTIC DIGITAL CALIPER

ATTENTION: NO DATA OUTPUT

1139-150

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

Unit: mm

Code	Range	Accuracy	Price(₹)
1139-150	0-150mm/0-6"	±0.1mm	1040

DIAL CALIPER

SHOCK PROOF
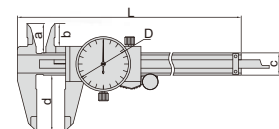
MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO DKD

1312-150A

- Shockproof dial indicator
- Made of stainless steel

Dial indicator graduation 0.02mm (mm)

Code	Range	Accuracy	L	a	b	c	d	D	Price(₹)
1312-150A*	0-150mm	±0.03mm	235	21	16.5	16	40	Ø39	2407
1312-200A*	0-200mm	±0.03mm	288	24	19	16	48	Ø39	3206
1312-300A*	0-300mm	±0.04mm	410	28	22	20	62	Ø44.5	5627

Dial indicator graduation 0.01mm (mm)

Code	Range	Accuracy	L	a	b	c	d	D	Price(₹)
1311-150A*	0-150mm	±0.03mm	235	21	16.5	16	40	Ø39	3208
1311-200A*	0-200mm	±0.03mm	288	24	19	16	48	Ø39	4412
1311-300A*	0-300mm	±0.04mm	410	28	22	20	62	Ø44.5	6898

Dial indicator graduation .001"

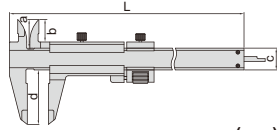| Code	Range	Accuracy	L	a	b	c	d	D	Price(₹)
1311-6*	0-6"	±.0015"	9.252"	.827"	.650"	.630"	1.575"	1.535" DIA	2789

*Supplied with manufacturer inspection certificate traceable to DKD Germany

VERNIER CALIPER 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	1536
1233-180	0-180mm/0-7"	±0.03mm	295	23.5	19	16	50	2221
1233-280	0-280mm/0-11"	±0.03mm	410	26	20	20	60	3990

DIGITAL CALIPER

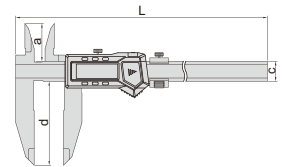**DATA OUTPUT**

1106-601

- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032
- Data output
- Made of stainless steel
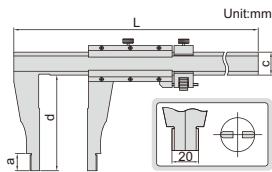- Optional accessory: data output cable

(mm)
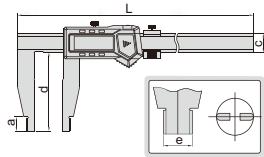
Code	Range	Accuracy	a	c	d	e	L	Price(₹)
1106-302	0-300mm/0-12"	±0.05mm	12	24	150	20	420	16021
1106-451	0-450mm/0-18"	±0.05mm	18	24	100	20	625	17217
1106-501	0-500mm/0-20"	±0.05mm	18	24	100	20	675	13030
1106-601	0-600mm/0-24"	±0.05mm	18	24	100	20	770	17031
1106-1002	0-1000mm/0-40"	±0.08mm	24	31	150	20	1220	38401
1106-1502	0-1500mm/0-60"	±0.11mm	24	42	150	20	1780	86273
1106-2002	0-2000mm/0-80"	±0.14mm	24	42	150	20	2290	127461

VERNIER CALIPER

1214-600

Unit:mm

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

(mm)

Code	Range	Accuracy	a	c	d	L	Price(₹)
1214-450	0-450mm/0-18"	±0.05mm	18	24	100	620	8927
1214-600	0-600mm/0-24"	±0.05mm	18	24	100	770	9192
1214-1000	0-1000mm/0-40"	±0.08mm	24	32	140	1216	27195
1214-1500	0-1500mm/0-60"	±0.12mm	24	42	200	1830	74597

Sizes available up to 2000mm

DIGITAL CALIPER

DATA OUTPUT

1171-300

- 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

(mm)

Code	Range	Accuracy	a	b	c	d	e	L	Price(₹)
1171-200	0-200mm/0-8"	±0.03mm	12	38	17	60	10	320	6926
1171-306	0-300mm/0-12"	±0.04mm	12	38	17	60	10	420	9317
1171-300	0-300mm/0-12"	±0.04mm	12	38	17	90	10	420	10365

DIGITAL CALIPER

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

(mm)

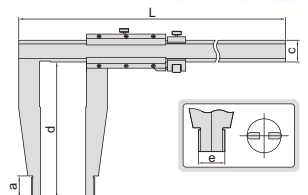| Code	Range	Accuracy	a	c	d	L	Price(₹)
1135-601	0-600mm/0-24"	±0.05mm	45	24	100	770	20573
1135-1002	0-1000mm/0-40"	±0.08mm	60	31	150	1220	53866

LONG JAW VERNIER CALIPER

1215-1032

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

(mm)

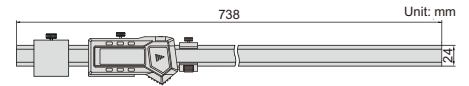| Code	Range	Accuracy	a	c	d	e	L	Price(₹)
1215-532	0-500mm/0-20"	±0.06mm	18	24	200	20	670	15359
1215-622	0-600mm/0-24"	±0.06mm	18	24	150	20	770	13239
1215-1032	0-1000mm/0-40"	±0.08mm	24	32	200	20	1220	37285

Sizes available up to 3000mm

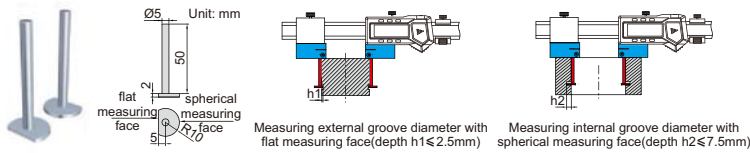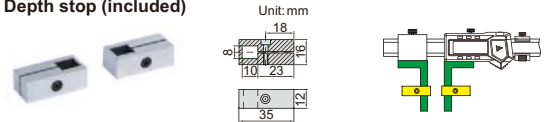## UNIVERSAL CALIPER
CODE 1125-600

DATA OUTPUT

- 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

working with stands

working with measuring jaws

1125-600

738 Unit: mm
24

Code	Range*	Resolution	Accuracy	Price(₹)
1125-600	0-600mm/0-24"	0.01mm/0.0005"	±0.05mm	43678

*The range will change according to different points

Half disk points (included)

Ø5 Unit: mm
50
flat measuring face
spherical measuring face
R10

Measuring external groove diameter with flat measuring face(depth h1≤2.5mm)

Measuring internal groove diameter with spherical measuring face(depth h2≤7.5mm)

Depth stop (included)

Unit: mm
18
16
8
10 23
35

Round shoulder points (optional)

Ø5 Unit: mm
R10

Measuring inside diameter
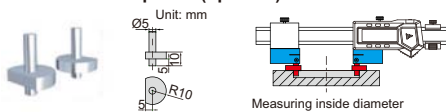
Code	Price(₹)
1125-T102	2374

Conical points (optional)

Unit: mm
Ø5
Ø20

Measuring center distance
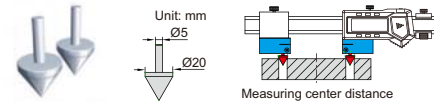
Code	Price(₹)
1125-T101	2670

Spherical points (included)

Unit: mm
20
10
Ø5 SR2

Flat shoulder points (optional)

Unit: mm
Ø5
10 15
16
12
6

Measuring outside diameter
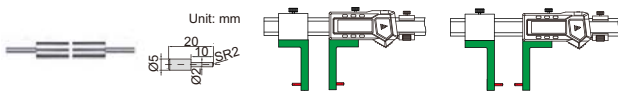
Code	Price(₹)
1125-T103	3403

Stands (included)

40 Unit: mm
20
8

Point sleeve (optional)

Unit: mm
21
Ø5
Ø5

Working with multifunctional points, ball points and screw thread points
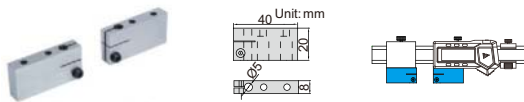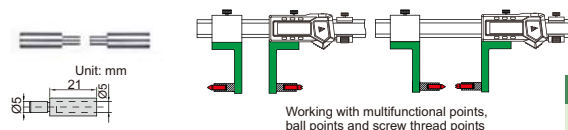
Code	Price(₹)
1125-T104	1582

Measuring jaws (included)
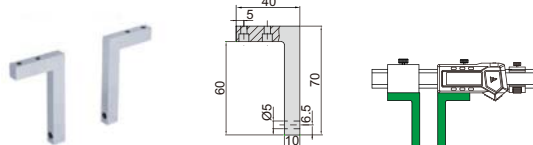
40 Unit: mm
5
60
70
Ø5
16.5
10

Multifunctional points 7392 (optional)

Ball points 7391 (optional)

Screw thread points 7381, 7321 (optional)

DIGITAL CALIPER WITH INTERCHANGEABLE POINTS
CODE 1526-200

DATA OUTPUT

preset buttons

1526-200

290 Unit: mm
24
20
16
30
40
3.5
5.5

depth stop 6143 (optional)

- 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
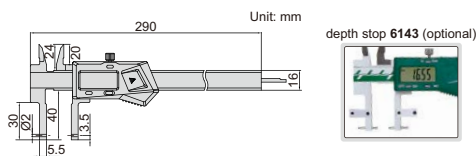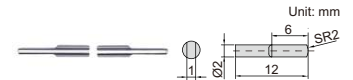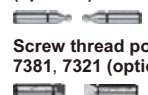
short spherical points (included)

Unit: mm
Ø2 SR2
6

long spherical/flat points (included)

Unit: mm
Ø2 SR2
12

spherical blade points (included)

Unit: mm
6
SR2
1 Ø2 12
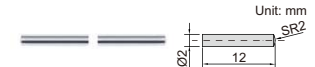
Code	Price(₹)
1526-200	15423

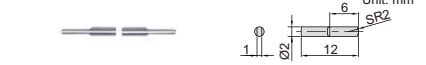**Multifunctional points 7392 (optional)**

Ball points 7391 (optional)

Screw thread points 7381, 7321 (optional)

Point	Range	Accuracy	Application
short spherical points			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

DIGITAL CALIPER WITH INTERCHANGEABLE POINTS
CODE 1124-300A

DATA OUTPUT

1124-300A

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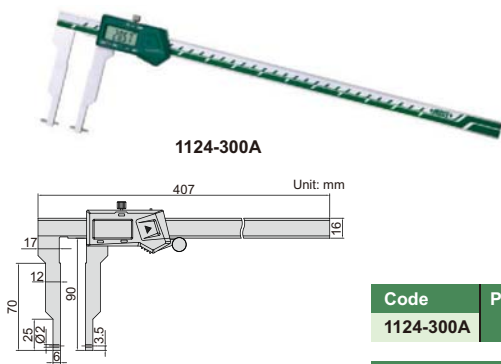
- Supplied with 4 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: points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

short spherical/flat points (included)
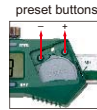Unit: mm

long spherical/flat points (included)
Unit: mm

short spherical blade points (included)
Unit: mm

long spherical blade points (included)
Unit: mm

preset buttons

depth stop 6143 (optional)

Code	Price(₹)
1124-300A	**21013**

Multifunctional points 7392 (optional)

Ball points 7391 (optional)

Screw thread points 7381, **7321 (optional)**

| 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)

DIGITAL INSIDE GROOVE CALIPER

DATA OUTPUT

1176-150
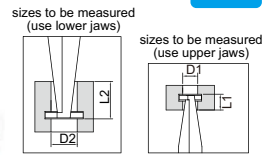
sizes to be measured (use lower jaws)

sizes to be measured (use upper jaws)

Unit: mm

- 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

preset buttons

depth stop 6143 (optional)

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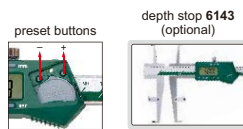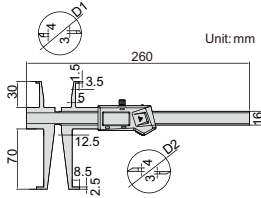
D1	L1	D2	L2	D2	L2
Ø9	<8	Ø15	<10	Ø19	<42
Ø10	<15	Ø16	<18	Ø20	<50
Ø11~150	<30	Ø17	<26	Ø21	<58
		Ø18	<34	Ø22~150	<70

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	**11633**

DIGITAL INSIDE GROOVE CALIPER

DATA OUTPUT

1178-300
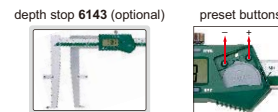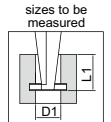
sizes to be measured

depth stop 6143 (optional)

preset buttons

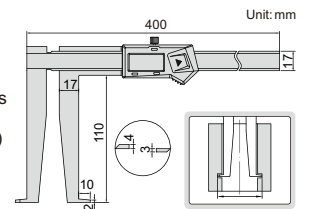Unit: mm

- 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

(mm)

D1	L1
Ø25	<50
Ø26	<60
Ø27~300	<110

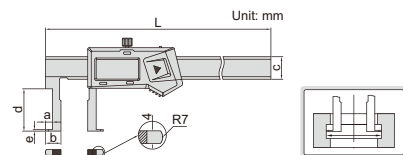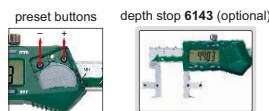| Code	Range	Accuracy	Price(₹)
1178-300	25-300mm/1.18-12"	±0.05mm	**17282**

DIGITAL INSIDE GROOVE CALIPER

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

1120-150A

Unit: mm

preset buttons

depth stop 6143 (optional)

(mm)

Code	Range	Accuracy	L	a	b	c	d	e	Price(₹)
1120-150A	22-150mm	±0.04mm	250	5	11	16	30	1	**8121**
1120-200A	25-200mm	±0.04mm	310	5	12.5	16	40	1	**9739**
1120-300A	30-300mm	±0.05mm	410	5	15	17	50	1.5	**12846**

DIGITAL INSIDE POINT CALIPER
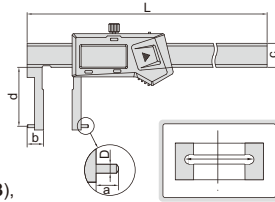
DATA OUTPUT

depth stop **6143** (optional)

preset buttons

1121-150A

- 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

(mm)

Code	Range	Accuracy	L	a	b	c	d	D	Price(₹)
1121-150A	24-150mm	±0.04mm	250	5	12	16	30	Ø2	9629
1121-200A	25-200mm	±0.04mm	310	5	12.5	16	40	Ø2	10203
1121-3001A	50-300mm	±0.06mm	410	8	25	17	80	Ø3	18487

DEPTH STOP FOR CALIPERS

Unit: mm

Application

6143

For external groove measurement

For internal groove measurement

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

Code	Price(₹)
6143	672

DIGITAL OFFSET CENTERLINE CALIPER

DATA OUTPUT

preset buttons

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

Unit: mm

(mm)

Code	Range	Accuracy	L	Price(₹)
1192-150A	10-150mm	±0.05mm	236	12991
1192-200A	10-200mm	±0.07mm	286	15897
1192-300A	10-300mm	±0.09mm	396	18542

DIGITAL INSIDE GROOVE CALIPER
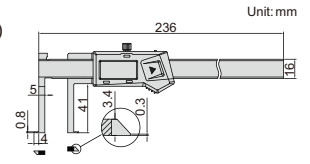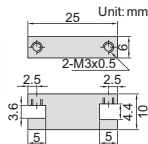
DATA OUTPUT

depth stop **6143** (optional)

1520-150

- 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

Unit: mm

preset buttons

Code	Range	Accuracy	Price(₹)
1520-150	11-150mm/0.43-6"	±0.04mm	7804

DIGITAL OUTSIDE POINT CALIPER

DATA OUTPUT

depth stop **6143** (optional)

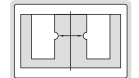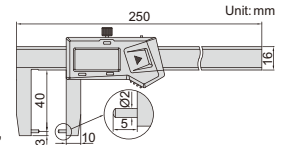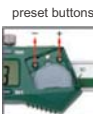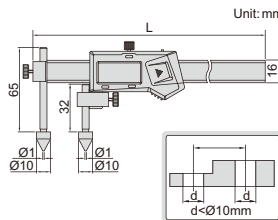**1185-150A**

- 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

Unit: mm

Code	Range	Accuracy	Price(₹)
1185-150A	0-150mm/0-6"	±0.04mm	6850

DIGITAL CENTERLINE/EDGE TO CENTER CALIPER

DATA OUTPUT

preset buttons

1525-300

measure edge to hole center distance

measure hole center distance

- Measure hole center distance or edge to hole center distance
- 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
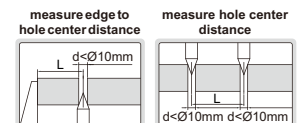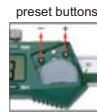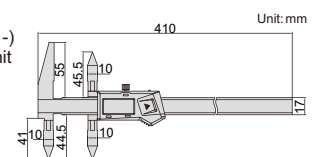- Made of stainless steel
- Optional accessory: data output cable

Unit: mm

Code	Range of upper jaw (edge to center)	Range of lower jaw (center to center)	Accuracy	Price(₹)
1525-300	5-300mm/0.2-12"	10-300mm/0.4-12"	±0.08mm	20318

DIGITAL BACK-JAW EDGE TO CENTER CALIPER

DATA OUTPUT

1524-200

- Measure edge to hole center distance
- 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
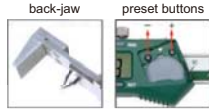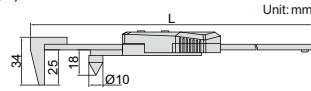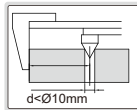- Optional accessory: data output cable

back-jaw   preset buttons

Unit: mm

(mm)

Code	Range	Accuracy	L	Price(₹)
1524-200	5-200mm/0.2-8"	±0.1	310	16895
1524-300	5-300mm/0.2-12"	±0.1	410	20420

d<Ø10mm

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

Unit: mm

Code	Range	Accuracy	Price(₹)
1169-150	0-150mm/0-6"	±0.03mm	5096

DIGITAL OFFSET CALIPER

DATA OUTPUT

1186-150A

- The left jaw can slide up and down to facilitate measurement of stepped sections
- 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

Unit: mm

(mm)

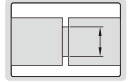| Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1186-150A	0-150mm/0-6"	±0.04mm	239	40	16.5	16	110	10923

Sizes available up to 300mm
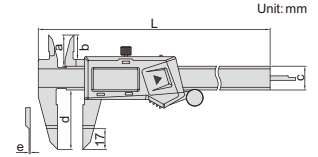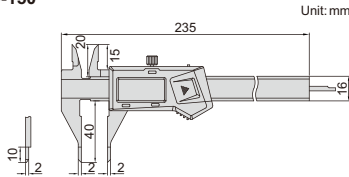
DIGITAL BLADE CALIPER

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

Unit: mm

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	5357

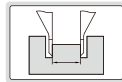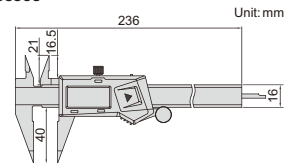Sizes available up to 300mm
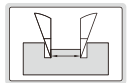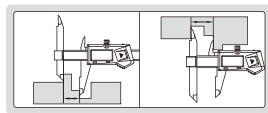
DIGITAL POINT CALIPER

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

Unit: mm

Code	Range	Accuracy	Price(₹)
1183-150A	0-150mm/0-6"	±0.03mm	5161

DIGITAL HOOK CALIPER

DATA OUTPUT

1122-200A

- Measure width of groove inside bores
- 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
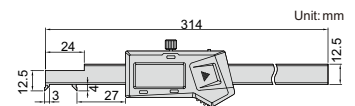
Unit: mm

Code	Range	Accuracy	Price(₹)
1122-200A	3-200mm/0.12-8"	±0.03mm	10273

DIGITAL CALIPER WITH LARGE MEASURING FACES

DATA OUTPUT

1172-200

measure diameter of wire ropes

measure thickness of rubber, sponge, etc.

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

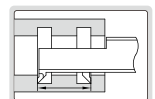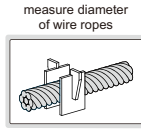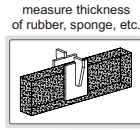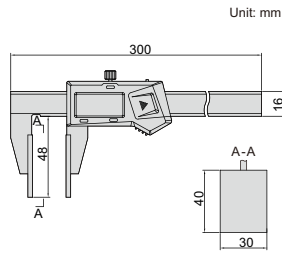| Code	Range	Accuracy	Price(₹)
1172-200	0-200mm/0-8"	±0.07mm	16582

DIGITAL RTJ RING GROOVE CALIPER

DATA OUTPUT

1179-300

1179-600

1179-300

1179-600

Unit: mm
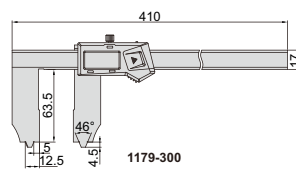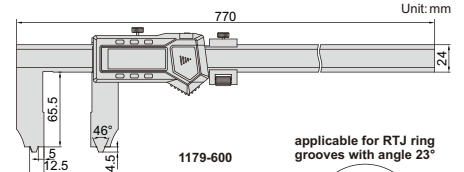
applicable for RTJ ring grooves with angle 23°
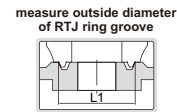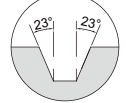
measure outside diameter of RTJ ring groove
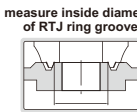
measure inside diameter of RTJ ring groove
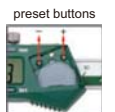
preset buttons

- 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	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	19623
1179-600	10-600mm/0.4-24"	25-600mm/1-24"	23°	±0.07mm	31123

DIGITAL TUBE THICKNESS CALIPER

DATA OUTPUT

1161-150A

- 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

Unit: mm

Ød>3mm
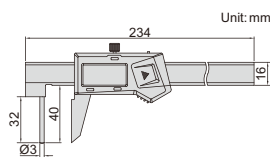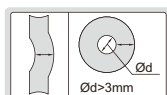
Code	Range	Accuracy	Price(₹)
1161-150A	0-150mm/0-6"	±0.05mm	8564

DIGITAL GEAR TOOTH CALIPER

DATA OUTPUT

1181-M25A
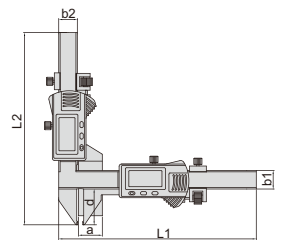
- Resolution: 0.01mm/0.0005"
- Carbide tips
- Buttons: zero, on/off, mm/inch
- Battery LR44
- Data output
- Made of stainless steel
- Optional accessory: data output cable

(mm)
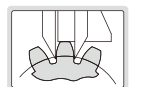
Code	Range	Accuracy	L1	L2	a	b1	b2	d	Price(₹)
1181-M25A	M1-25mm	±0.04mm	170	165.5	21	16	16	30.5	18769
1181-M50A	M5-50mm	±0.04mm	220	190	50.5	16	16	55	21646

DIGITAL HEIGHT GAGE

DATA OUTPUT

dial test indicator holder (included)

Unit: mm

55 / 40 / 6 / Ø8
for **1150-300**

65 / 50 / 10 / Ø8
for **1150-500/600**

70 / 55 / 10 / Ø8
for **1150-1000/1500/2000**

1150-500

1150-1000

type A

type B
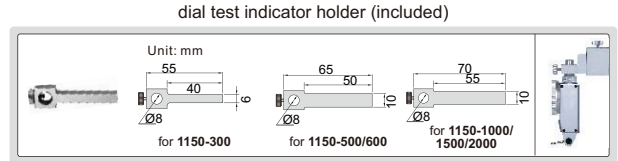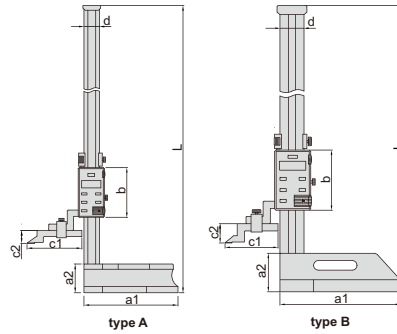
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, ABS/INC, data hold, TOL, set
- ABS/INC is for absolute and incremental measurement
- TOL is for tolerance measurement
- Carbide tipped scriber
- Made of stainless steel (except the base)
- LR44 battery
- Data output
- Supplied with dial test indicator holder
- Optional accessory: data output cable(code **7301-SPC5**)

data output cable

7301-SPC5

(mm)

Code	Range	Type	Accuracy	L	a1	a2	b	c1	c2	d	Price(₹)
1150-300	0-300mm/0-12"	A	±0.04mm	470	135	45	80	76	25	23	**18076**
1150-500	0-500mm/0-20"	A	±0.05mm	720	180	55	95	103	25	30	**24418**
1150-600	0-600mm/0-24"	A	±0.05mm	820	180	55	95	103	25	30	**32147**
1150-1000	0-1000mm/0-40"	B	±0.07mm	1275	250	80	125	110	39	50	**66300**

Sizes available up to 2000mm

DIGITAL HEIGHT GAGE

dial test indicator holder (optional)

1151-300

Unit: mm

6293-6

Unit: mm
dovetail groove
stem hole Ø4
stem hole Ø8
50
A-A
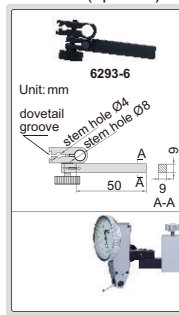
driving wheel

- Resolution: 0.01mm/0.001"
- Buttons: on/off, zero, mm/inch, ABS/INC, preset +, preset -, set
- ABS/INC is for absolute and incremental measurement
- Carbide tipped scriber
- Made of stainless steel (except the base)
- LR44 battery
- With driving wheel
- Optional accessory: dial test indicator holder (code **6293-6**)

(mm)

Code	Range	Accuracy	L	a1	a2	b	c	ØD	Price(₹)
1151-300	0-300mm/0-12"	±0.04mm	475	135	43	84	33	15	**30804**
1151-600	0-600mm/0-24"	±0.05mm	810	180	54	88	38	20	**49582**

DIGITAL HEIGHT GAGE WITH DRIVING WHEEL

DATA OUTPUT

Unit: mm

1156-300

dial test indicator holder (optional)

6293-6

Unit: mm
dovetail groove
stem hole Ø4
stem hole Ø8
50
A-A
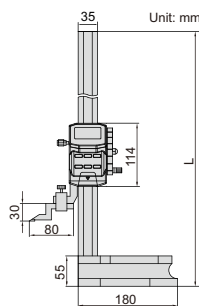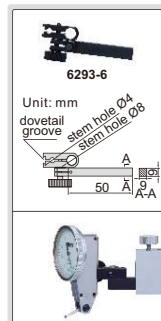
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, preset +, preset -, hold
- Automatic power off, move the digital unit to turn on power
- Carbide tipped scriber
- Made of stainless steel
- Battery CR2032
- Data output
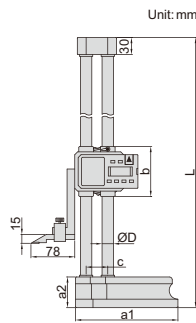- Optional accessory: data output cable, dial test indicator holder (code **6293-6**)

(mm)

Code	Range	Accuracy	L	Price(₹)
1156-300	0-300mm/0-12"	±0.03mm	515	**21551**
1156-600	0-600mm/0-24"	±0.05mm	815	**32382**

DIAL HEIGHT GAGE

dial test indicator holder (optional)

Unit: mm

1351-300

6293-6

Unit: mm
dovetail groove
stem hole Ø4
stem hole Ø8
50
A-A

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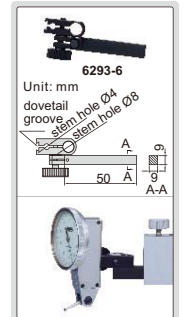
- Dial indicator graduation: 0.01mm
- One counter reads in the plus direction and another in the minus direction, so incremental measurement can be made in either direction
- Carbide tipped scriber
- Made of stainless steel (except the base)
- With driving wheel
- Optional accessory: dial test indicator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

(mm)

Code	Range	Accuracy	L	a1	a2	b	c	ØD	Price(₹)
1351-300	0-300mm	±0.04mm	475	135	43	84	33	15	**15886**
1351-600	0-600mm	±0.05mm	810	180	54	88	38	20	**29611**

VERNIER HEIGHT GAGE
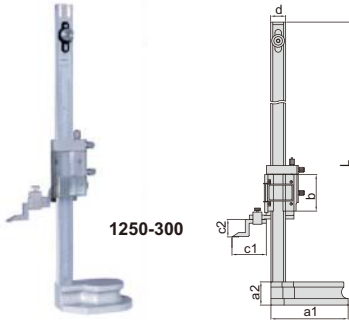
1250-300

dial test indicator holder (optional)
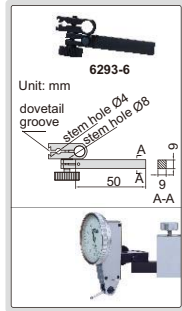
6293-6

Unit: mm

dovetail groove

stem hole Ø4
stem hole Ø8

- 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
- Optional accessory: dial test indicator holder (code **6293-6**)

(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	10670
1250-450	0-450mm/0-18"	±0.05mm	720	180	54	85	80	41	35	15302
1250-600	0-600mm/0-24"	±0.05mm	870	180	54	85	80	41	35	16374

VERNIER HEIGHT GAGE

1253-200

Unit: mm

dial test indicator holder (optional)

7151-CL1
Unit: mm

- 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**)

(mm)

Code	Range	Accuracy	L	a	b	c	d	Price(₹)
1253-200	0-200mm/0-8"	±0.03mm	325	90	70	55	20	9534

DIGITAL DEPTH GAGE

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

(mm)

Code	Range	Accuracy	L	a	b	d	Price(₹)
1141-150A	0-150mm/0-6"	±0.03mm	230	6	14.5	100	3519
1141-200A	0-200mm/0-8"	±0.03mm	280	6	14.5	100	4273
1141-300A	0-300mm/0-12"	±0.03mm	380	6	14.5	150	9083

Sizes available up to 500mm

DIGITAL HEIGHT GAGE

DATA OUTPUT

1154-150

Unit: mm

dial test indicator holder (optional)

7151-CL1
Unit: mm

- Resolution: 0.01mm/0.0005"
- 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, dial test indicator holder (code **7151-CL1**)

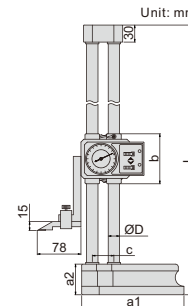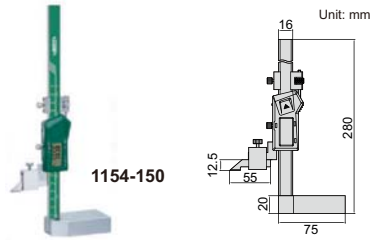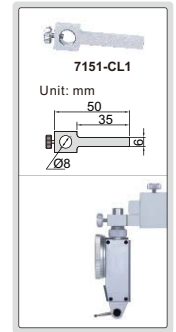(mm)

Code	Range	Accuracy	Price(₹)
1154-150	0-150mm/0-6"	±0.03mm	8072

WATERPROOF DIGITAL DEPTH GAGE

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)
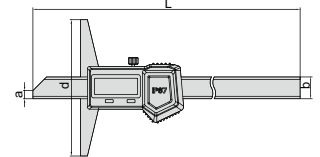
Code	Range	Accuracy	L	a	b	d	Price(₹)
1149-150	0-150mm/0-6"	±0.03mm	240	6	16	100	11243
1149-200	0-200mm/0-8"	±0.03mm	290	6	16	100	15383
1149-300	0-300mm/0-12"	±0.03mm	390	6	16	150	19741

DIGITAL DEPTH GAGE

CAN BE INSTALLED WITH 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, extension base (code **6141**)

Unit: mm

(mm)
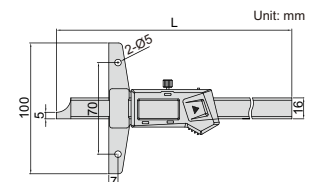
Code	Range	Accuracy	L	Price(₹)
1147-150	0-150mm/0-6"	±0.03mm	237	4940
1147-200	0-200mm/0-8"	±0.03mm	287	6155
1147-300	0-300mm/0-12"	±0.03mm	403	10723

extension base (optional)

6141 series

DIGITAL DOUBLE HOOK DEPTH GAGE

DATA OUTPUT

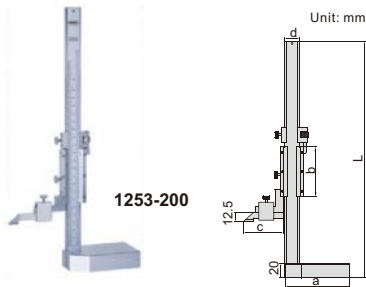**1144-150A**

- 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

Unit: mm

(mm)

Code	Range	Accuracy	L	d	Price(₹)
1144-150A	0-150mm/0-6"	±0.03mm	233	100	5596
1144-200A	0-200mm/0-8"	±0.03mm	283	100	6619
1144-300A	0-300mm/0-12"	±0.03mm	383	150	13436

VERNIER DEPTH GAGE

1240-2001

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

Unit: mm

(mm)

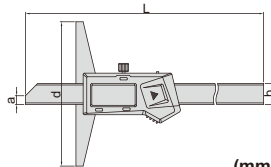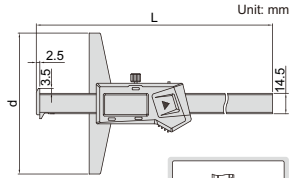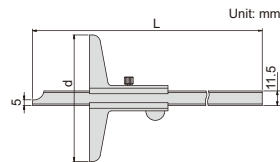| Code	Range	Accuracy	L	d	Price(₹)
1240-1501	0-150mm	±0.03mm	245	100	1950
1240-2001	0-200mm	±0.03mm	282	100	1979
1240-3001	0-300mm	±0.04mm	382	100	2564

Sizes available up to 500mm

VERNIER DEPTH GAGE

extension base (optional)

6141 series

1247-1501

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

Unit: mm

(mm)
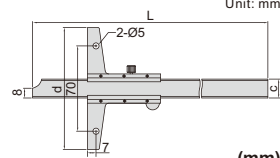
Code	Range	Accuracy	L	c	d	Price(₹)
1247-1501	0-150mm	±0.03mm	240	16	100	2516
1247-2001	0-200mm	±0.03mm	290	16	100	3176
1247-3001	0-300mm	±0.04mm	390	16	100	3896
1247-6001	0-600mm	±0.05mm	704	16	150	19437
1247-1001	0-1000mm	±0.07mm	1124	18	200	40878

DIGITAL DEPTH GAGE WITH ROUND DEPTH BAR

DATA OUTPUT

MEASURE DEPTH OF SMALL HOLES (>Ø4mm)

MEASURE WIDTH AND DEPTH OF GROOVES INSIDE BORE

preset buttons

1148-100S
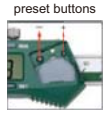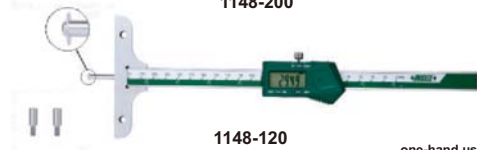
1148-200

1148-120

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

Unit: mm

M2.5 — Ø4 flat point

M2.5 — Ø4 R6 spherical point

M2.5 — 1.5 — Ø4.5 — Ø8 — 1±0.005 disk point
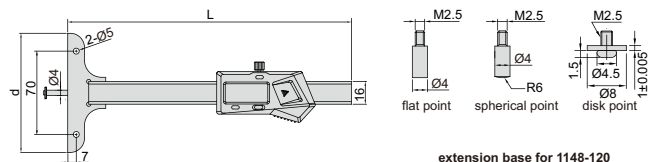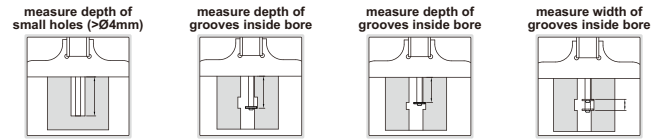
extension base for 1148-120 and 1148-200 (optional)

6141 series

1148-P101 (optional)   **1148-P103 (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, disk points (see below table), extension base (code **6141**, for **1148-120** and **1148-200**)

Unit: mm

M2.5	M2.5	M2.5
1.5 — Ø4.5 — Ø8 — 0.5±0.005	1.5 — Ø4.5 — Ø8 — 0.7±0.005	1.5 — Ø4.5 — Ø8 — 1±0.005 Ø4
1148-P101	**1148-P102**	**1148-P103**

(mm)
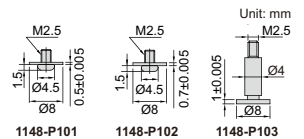
Code	Range*	Accuracy	L	d	Remark	Price(₹)
1148-100S	0-100mm/0-4"	±0.02mm	200	45		12237
1148-100	0-100mm/0-4"	±0.02mm	200	85		12247
1148-120	0-120mm/0-4.7"	±0.03mm	300	101	one-hand use, with clamp holes for extension base	14402
1148-200	0-200mm/0-8"	±0.03mm	300	101	with clamp holes for extension base	14945

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

OPTIONAL DISK POINTS

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

EXTENSION BASE

6141-320

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

Unit: mm
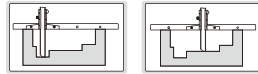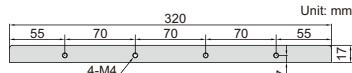
Code	Length	Price(₹)
6141-320	320mm	2240

DEPTH BASE ATTACHMENT

6140

Unit: mm
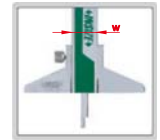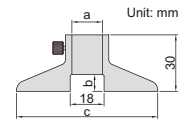
- To increase the stability of depth measurement
- Suitable for digital calipers
- Made of stainless steel

Code	a	b	c	Application	Price(₹)
6140	16.5mm	9mm	75mm	Suitable for digital calipers with beam width(w) 16mm	802
6140-300	17mm	10mm	125mm	Suitable for digital calipers with beam width(w) 17mm	1869

DIGITAL DEPTH GAGE

DATA OUTPUT

Unit: mm

1145-25A

set zero

zero set surface

measurement
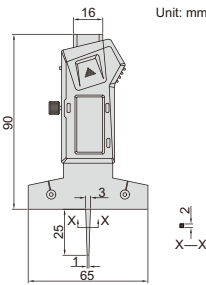
- Measure depth of small groove and hole, also measure depth of tire tread
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Supplied with zero set surface
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable

Code	Range	Accuracy	Price(₹)
1145-25A	0-25mm/0-1"	±0.03mm	4103

DIGITAL DEPTH GAGE

DATA OUTPUT

Unit: mm
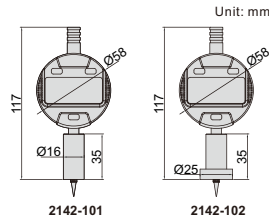
2142-101   **2142-102**

2142-102

- Dial indicator stroke: 12.7mm/0.5"
- Dial indicator resolution: 0.01mm/0.0005" Button function: on/off, zero, mm/inch, ABS,
- data preset, change measuring direction
- CR2032 battery, automatic power off
- Data ouput
- Stainless steel base
- Pointed tip
- Optional accessory: data output cable

Code	Range	Accuracy	Base	Price(₹)
2142-101	0-12.7mm/0-0.5"	±0.02mm	Ø16mm	6872
2142-102	0-12.7mm/0-0.5"	±0.02mm	Ø25mm	7061

DIGITAL DEPTH GAGE

DATA OUTPUT

Unit: mm

2141-202A

pointed tip   ball tip
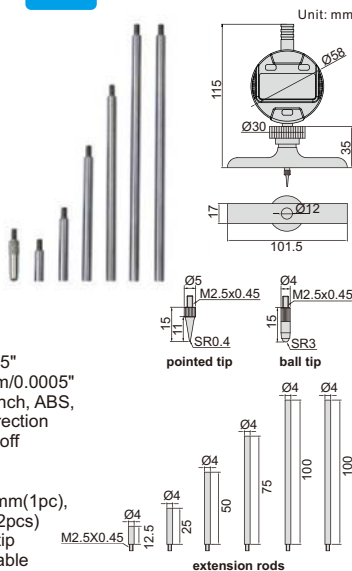
extension rods

- Digital indicator stroke: 12.7mm/0.5"
- Digital indicator resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset, change measuring direction
- CR2032 battery, automatic power off
- Data ouput
- Stainless steel base
- Extension rods: 12.5mm(1pc), 25mm(1pc), 50mm(1pc), 75mm(1pc), 100mm(2pcs)
- Supplied with pointed tip and ball tip
- Optional accessory: data output cable

Code	Range	Accuracy	Base	Price(₹)
2141-202A	0-300mm/0-12"	±0.02mm	101.5x17mm	10014

DIAL DEPTH GAGE

Unit: mm

2342-202

pointed tip   ball tip
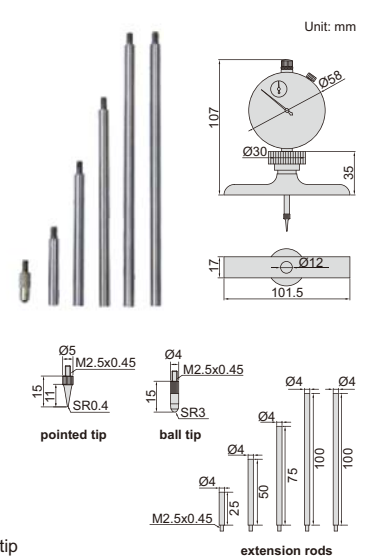
extension rods

- 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	Accuracy	Base	Price(₹)
2342-202	0-300mm	±0.03mm	101.5x17mm	7464

DIAL DEPTH GAGE

2341-101A

Unit: mm

pointed tip

ball tip

- 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	4356

DEPTH MICROMETER

Install rod

This way of rod installation increases the stability of depth measurement
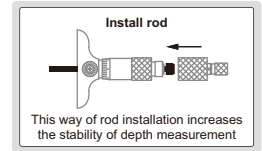
3241-100

- 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	4023
3241-50	0-50mm	2pcs	4738
3241-100	0-100mm	4pcs	6454
3241-150	0-150mm	6pcs	7911
3241-300	0-300mm	12pcs	12622
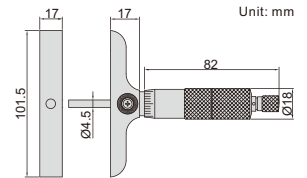
Unit: mm

DIGITAL OUTSIDE MICROMETER

DATA OUTPUT

MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO DKD

3109-25S

friction thimble for one hand operation

spherical anvil   measure tube wall thickness

- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC
- Data output
- Battery CR2032, automatic power off
- Carbide measuring faces
- Friction thimble
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: data output cable

Unit: mm

(mm)

Code	Range	Accuracy	L	a	b	Price(₹)
3109-25S*	0-25mm/0-1"	±3μm	31.5	7.0	23	4183
3109-50S*	25-50mm/1-2"	±3μm	57.0	8.7	32	5182
3109-75S*	50-75mm/2-3"	±4μm	82.5	7.5	44	6189
3109-100S*	75-100mm/3-4"	±4μm	106.5	8.2	56	7260

*Supplied with manufacturer inspection certificate traceable to DKD Germany

METRIC DIGITAL OUTSIDE MICROMETER

IP54 WATERPROOF

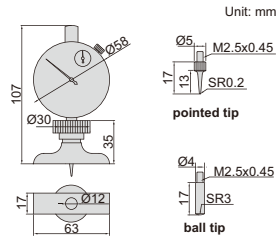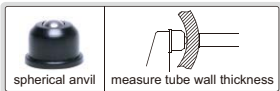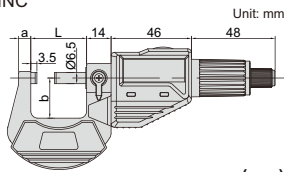MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO DKD

ATTENTION: NO DATA OUTPUT

3108-25A

spherical anvil   measure tube wall thickness
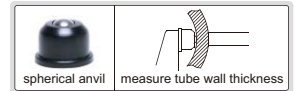
- Resolution: 0.001mm
- IP54 dust/waterproof
- Button function: on/off, set, ABS/INC
- Without data output
- LR44 battery, automatic power off
- Carbide measuring faces
- Ratchet stop
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm)

Unit: mm

(mm)
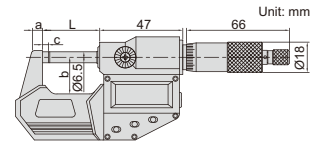
Code	Range	Accuracy	L	a	b	c	Price(₹)
3108-25A*	0-25mm	±2μm	32.5	6	24	3	6314
3108-50A*	25-50mm	±2μm	57.5	8	32	3	7841
3108-75A*	50-75mm	±3μm	82.5	8	44.5	3	9027
3108-100A*	75-100mm	±3μm	107.5	8	57	3	9937
3108-125A	100-125mm	±3μm	133	10	70	3	11522
3108-150A	125-150mm	±3μm	158.5	10	82	3	12567
3108-175A	150-175mm	±4μm	184	12	94.5	5.5	13752
3108-200A	175-200mm	±4μm	209.5	12	107	5.5	15225

*Supplied with manufacturer inspection certificate traceable to DKD Germany

DIGITAL OUTSIDE MICROMETER

IP65 WATERPROOF

DATA OUTPUT

MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO DKD

spherical anvil   measure tube wall thickness
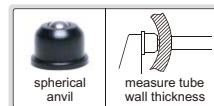
- Resolution: 0.001mm/0.00005"
- IP65 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- LR44 battery, automatic power off
- Carbide measuring faces
- Ratchet stop
- Supplied with spherical anvil
- Setting standards are included (except 0-25mm/0-1")
- Optional accessory: data output cable

3101-25A

Unit: mm

(mm)
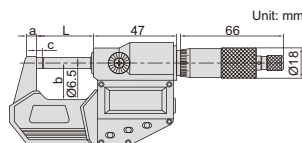
Code	Range	Accuracy	L	a	b	c	Price(₹)
3101-25A*	0-25mm/0-1"	±2μm	32.5	6	24	3	10241
3101-50A*	25-50mm/1-2"	±2μm	57.5	8	32	3	11043
3101-75A*	50-75mm/2-3"	±3μm	82.5	8	44.5	3	12705
3101-100A*	75-100mm/3-4"	±3μm	107.5	8	57	3	13459

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

1µm GRADUATION OUTSIDE MICROMETER

MANUFACTURER
INSPECTION CERTIFICATE
TRACEABLE TO DKD

3210-25A

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

Unit: mm

(mm)
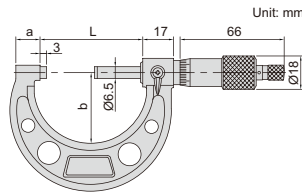
Code	Range	Accuracy	L	a	b	Price(₹)
3210-25A*	0-25mm	4µm	32	9	28	1704
3210-50A*	25-50mm	4µm	57	14	38	1869
3210-75A*	50-75mm	5µm	82	15	49	2071
3210-100A*	75-100mm	5µm	107	15	60	2289
3210-125A	100-125mm	6µm	133	16.5	73	2759
3210-150A	125-150mm	6µm	158	16.5	85	3156
3210-175A	150-175mm	7µm	183	19.4	104	3752
3210-200A	175-200mm	7µm	209	19.4	117	4212

*Supplied with manufacturer inspection certificate traceable to DKD Germany

OUTSIDE MICROMETER

MANUFACTURER
INSPECTION CERTIFICATE
TRACEABLE TO DKD

3203-25A

3203-50A

- Graduation: metric 0.01mm
  imperial 0.0001"
- Carbide measuring faces
- Ratchet stop
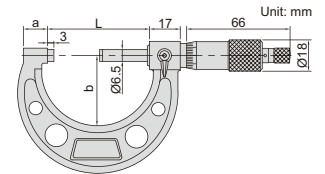- Meet DIN863
- Supplied with setting standards
  (except 0-25mm and 0-1")

Unit: mm

Imperial (mm)

Code	Range	Accuracy	L	a	b	Price(₹)
3203-1A*	0-1"	0.00016"	32	9	28	1443
3203-2A*	1-2"	0.00016"	57	14	38	1621
3203-3A*	2-3"	0.00020"	82	15	49	1793
3203-4A*	3-4"	0.00020"	107	15	60	1994
3203-5A*	4-5"	0.00024"	133	16.5	73	2508
3203-6A*	5-6"	0.00024"	158	16.5	85	2841

*Supplied with manufacturer inspection certificate traceable to DKD Germany

Metric (mm)

Code	Range	Accuracy	L	a	b	Price(₹)
3203-25A*	0-25mm	4µm	32	9	28	1347
3203-50A*	25-50mm	4µm	57	14	38	1527
3203-75A*	50-75mm	5µm	82	15	49	1771
3203-100A*	75-100mm	5µm	107	15	60	1970
3203-125A	100-125mm	6µm	133	16.5	73	2508
3203-150A	125-150mm	6µm	158	16.5	85	2841
3203-175A	150-175mm	7µm	183	19.4	104	3486
3203-200A	175-200mm	7µm	209	19.4	117	3862
3203-225A	200-225mm	8µm	234	19.4	130	4170
3203-250A	225-250mm	8µm	260	19.4	142	4669
3203-275A	250-275mm	9µm	285	19.4	155	5171
3203-300A	275-300mm	9µm	310	19.4	168	5485

OUTSIDE MICROMETER WITH EXTENSION ANVIL COLLAR

Unit: mm

type A

type B

3205-400
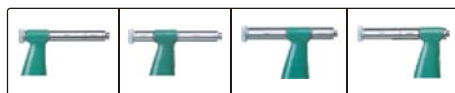
adjust collars for different measuring ranges

setting standard

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

(mm)
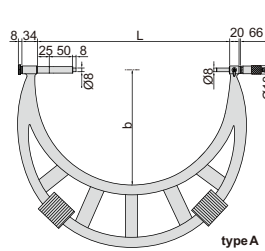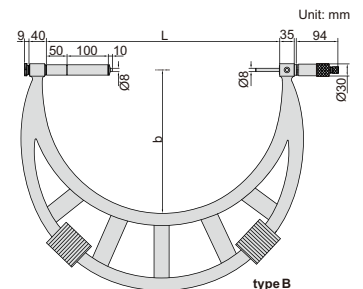
Code	Range	Type	Accuracy	L	b	Setting standard (included)	Price(₹)
3205-400	300-400mm	A	11µm	410	250	325, 375	17143
3205-500	400-500mm	A	13µm	510	295	425, 475	19379
3205-600	500-600mm	A	14µm	610	345	525, 575	22815
3205-700	600-700mm	A	16µm	710	395	625, 675	27396
3205-800	700-800mm	A	18µm	810	445	725, 775,	32268
3205-900	800-900mm	A	20µm	910	495	825, 875	37540
3205-1000	900-1000mm	A	22µm	1010	545	925, 975	41937
3205-1200	1000-1200mm	B	22µm	1210	645	1050, 1150	86745
3205-1400	1200-1400mm	B	24µm	1410	745	1250, 1350	92626
3205-1600	1400-1600mm	B	28µm	1610	845	1450, 1550	103415
3205-1800	1600-1800mm	B	31µm	1810	945	1650, 1750	110055
3205-2000	1800-2000mm	B	34µm	2010	1045	1850, 1950	116390

OUTSIDE MICROMETER WITH INTERCHANGEABLE ANVILS

3206-150A

3206-400

setting standard

Unit: mm

type A

- Graduation: metric 0.01mm
  imperial 0.0001"
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards

type B

interchangeable anvils for
different measuring ranges
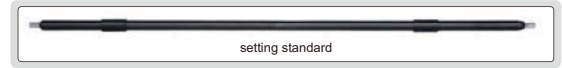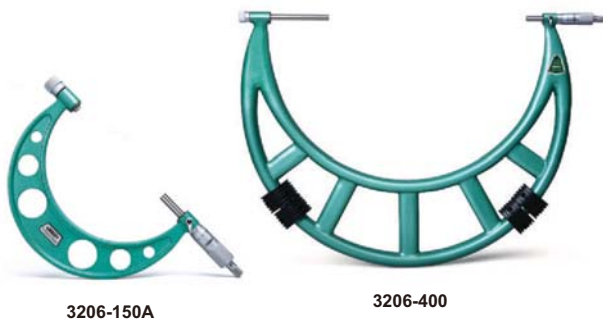
Metric (mm)

Code	Range	Type	Accuracy	L	b	Setting standard (included)	Price (₹)
3206-100A	0-100mm	A	5µm	108	57	25, 50, 75	8825
3206-150A	0-150mm	A	6µm	158	82	25, 50, 75, 100, 125	10938
3206-151A	50-150mm	A	6µm	158	82	50, 75, 100, 125	9728
3206-200A	100-200mm	A	7µm	208	114	100, 125, 150, 175	12466
3206-300A	150-300mm	A	9µm	308	165	150, 175, 200, 225, 250, 275	13996
3206-301A	200-300mm	A	9µm	308	165	200, 225, 250, 275	13609
3206-400	300-400mm	B	11µm	409	224	325, 375	21689
3206-500	400-500mm	B	13µm	509	275	425, 475	24473
3206-600	500-600mm	B	14µm	609	321	525, 575	28052
3206-700	600-700mm	B	16µm	709	371	625, 675	32333
3206-800	700-800mm	B	18µm	809	426	725, 775	37757
3206-900	800-900mm	B	20µm	909	476	825, 875	42800
3206-1000	900-1000mm	B	22µm	1009	576	925, 975	48919

Imperial (mm)

Code	Range	Type	Accuracy	L	b	Setting standard (included)	Price(₹)
3206-6	0-6"	A	0.00024"	158	82	1", 2", 3", 4", 5"	10673
3206-8	4-8"	A	0.00028"	208	114	4", 5", 6", 7"	12332
3206-12	6-12"	A	0.00035"	308	165	6", 7", 8", 9", 10", 11"	13544

DIGITAL OUTSIDE MICROMETER WITH INTERCHANGEABLE ANVILS

DATA OUTPUT **IP54 WATERPROOF**

Unit: mm

3506-400A

type A

type B

setting standard
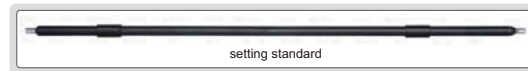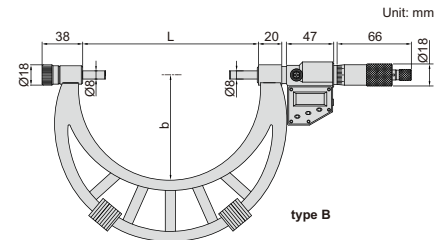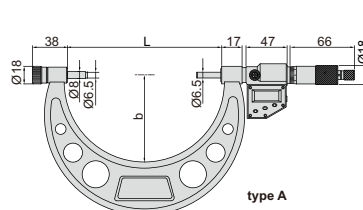
- Resolution: 0.001mm/0.0001"
  (resolution of **3506-150A** is
  0.001mm/0.00005")
- IP54 dust/waterproof
- Button function: on/off, set,
  mm/inch, ABS/INC, data output
- Data output
- LR44 battery, automatic power off
- Ratchet stop
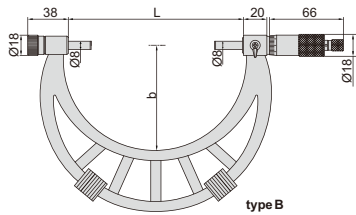- Carbide measuring faces
- Supplied with setting standards
- Optional accessory:
  date output cable

interchangeable anvils for
different measuring ranges

(mm)
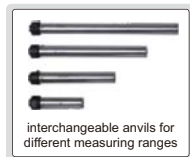
Code	Range	Type	Accuracy	L	b	Setting standard (included)	Price(₹)
3506-150A	0-150mm/0-6"	A	±6µm	155	82	25, 50, 75, 100, 125	20580
3506-300A	150-300mm/6-12"	A	±8µm	305	165	150, 175, 200, 225, 250, 275	23807
3506-400A	300-400mm/12-16"	B	±9µm	405	224	325, 375	28677
3506-500A	400-500mm/16-20"	B	±11µm	505	275	425, 475	31147

Sizes available up to 1000mm

GROOVE MICROMETER

3287-25A

Unit: mm
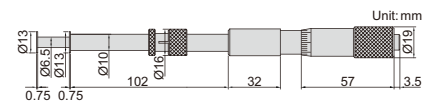
- Graduation: 0.01mm
- Measure width of grooves inside bores
- Non-rotating spindle
- Two graduations for inside and
  outside measurement

Code	Range(outside)	Range(inside)	Accuracy	Price(₹)
3287-25A	0-25mm	1.6-26.5mm	10µm	17487

Sizes available up to 100mm

INDICATING MICROMETER

3332-25

3332-25B
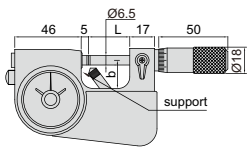
type A
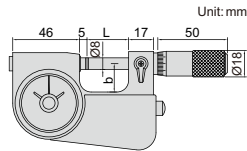
type B

- 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)

(mm)

Code	Micrometer head range	Micrometer head accuracy	Type	L	b	Remark	Price (₹)
3332-25	0-25mm	4µm	A	28.5	19	with support	**19722**
3332-50	25-50mm	4µm	A	53.5	30	with support	**22571**
3332-75	50-75mm	5µm	A	78.5	45	without support	**25858**
3332-100	75-100mm	5µm	A	103.5	57	without support	**29467**
3332-25B	0-25mm	4µm	B	28.5	19	without support	**19722**

BLADE MICROMETER

NON-ROTATING SPINDLE

Unit: mm

type A

type B

3232-25A

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

(mm)

Code	Range	Type	Accuracy	L	b	Price(₹)
3232-25A	0-25mm	A	4µm	57	32	**6884**
3232-50A	25-50mm	A	4µm	82	44.5	**9270**
3232-75A	50-75mm	A	5µm	107	57	**9985**
3232-100A	75-100mm	A	5µm	132.6	69.5	**10803**
3232-25BA	0-25mm	B	4µm	57	32	**8465**

Sizes available up to 175mm

DIGITAL BLADE MICROMETER

DATA OUTPUT   **NON-ROTATING SPINDLE**

3532-25A

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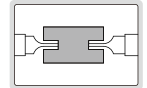
- Measure the groove diameter of shafts and keyways
- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: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

(mm)

type A

type B

Code	Range	Type	Accuracy	Price(₹)
3532-25A	0-25mm/0-1"	A	±4µm	**17720**
3532-25BA	0-25mm/0-1"	B	±4µm	**19377**

Sizes available up to 100mm

POINT MICROMETER

3230-25A
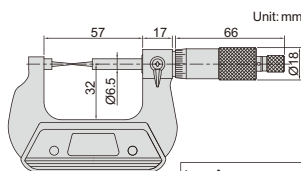
Unit: mm

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

type A   30° SR0.3

type B   15° SR0.3

Code	Range	Type	Accuracy	Price(₹)
3230-25A	0-25mm	A	4µm	**4220**
3230-25BA	0-25mm	B	4µm	**4220**

Sizes available up to 100mm

DIGITAL POINT MICROMETER

DATA OUTPUT   **IP54 WATERPROOF**

3530-25A
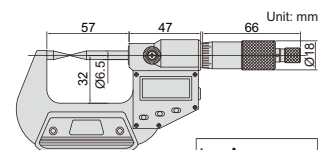
Unit: mm

- Measure the web thickness of drills, small grooves and keyways
- Resolution 0.001mm/0.00005"
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide tips
- Supplied with setting standards (except 0-25mm/0-1")
- Optional accessory: date output cable

type A   30° SR0.3

type B   15° SR0.3

Code	Range	Type	Accuracy	Price(₹)
3530-25A	0-25mm/0-1"	A	±4µm	**13460**
3530-25BA	0-25mm/0-1"	B	±4µm	**13500**

Sizes available up to 100mm

SPHERICAL ANVIL TUBE MICROMETER

3260-25SA
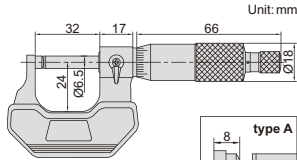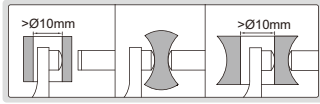
Unit: mm

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

type A
8
SR5

type B
8
SR5

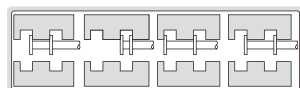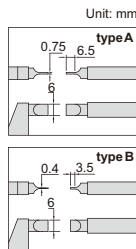| Code	Range	Type	Accuracy	Price(₹)
3260-25A	0-25mm	A	4µm	2339
3260-25SA	0-25mm	B	4µm	2339

Sizes available up to 100mm

CRIMP HEIGHT MICROMETER

3266-25BA
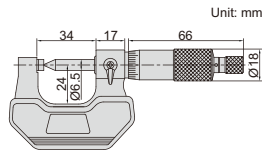
Unit: mm

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

Code	Range	Accuracy	Price(₹)
3266-25BA	0-25mm	4µm	4448

SPLINE MICROMETER

3233-25BA
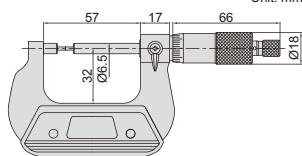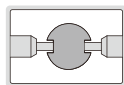
Unit: mm

- 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	4366

Sizes available up to 175mm

CYLINDRICAL ANVIL TUBE MICROMETER

Unit: mm

type A
8
Ø1.8

type D
Ø4.7
16

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	2933
3261-25DA	0-25mm	D	6µm	2891

Sizes available up to 50mm

DIGITAL CRIMP HEIGHT MICROMETER

IP54 WATERPROOF

DATA OUTPUT

3566-25BA

- Measure the height of crimp contact
- Resolution: 0.001mm/0.00005"
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Optional accessory: date output cable

Unit: mm

Code	Range	Accuracy	Price(₹)
3566-25BA	0-25mm/0-1"	±4µm	15864

SHEET METAL MICROMETER

3239-253F
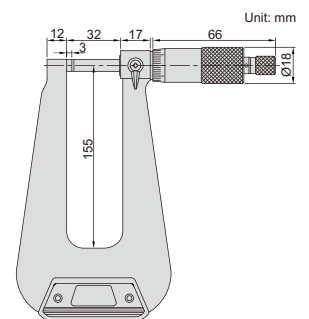
Unit: mm

- 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	5µm	5909
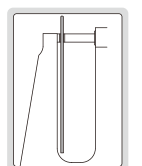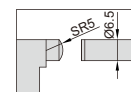
V-ANVIL MICROMETER

3290-153A

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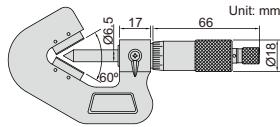
Unit: mm

Code	Range	Flutes	Graduation	Accuracy	Price(₹)
3290-153A	1-15mm	3	0.01mm	4μm	9550
3290-203A	5-20mm	3	0.01mm	4μm	10156

Sizes available up to 95mm

DISK MICROMETER

3282-25
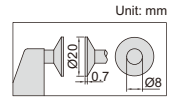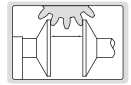
- Measure root tangent length of gear
- Graduation: 0.01mm
- Ratchet stop
- Supplied with setting standards

Unit: mm

(mm)
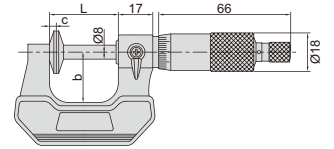
Code	Range	Accuracy	Parallelism	L	b	c	Price(₹)
3282-25	0-25mm	4μm	5μm	34	24	3.3	5088
3282-50	25-50mm	4μm	5μm	59	32	3.3	5896
3282-75	50-75mm	5μm	5μm	85	45	3.3	6648
3282-100	75-100mm	5μm	5μm	110	57	3.3	7869

MEASURING TIPS FOR SCREW THREAD MICROMETER

7381-T11

Unit: mm

60° thread angle

55° thread angle

Metric and unified thread (60° thread angle)

Code	Pitch	Price(₹)
7381-T11	0.4-0.5mm / 64-48TPI	1001
7381-T12	0.6-0.9mm / 44-28TPI	1001
7381-T13	1-1.75mm / 24-14TPI	1001
7381-T14	2-3mm / 13-9TPI	1001
7381-T15	3.5-5mm / 8-5TPI	1001
7381-T16	5.5-7mm / 4.5-3.5TPI	1001
7381-TS	6 pairs/set, including all above tips	6359

Whitworth thread (55° thread angle)

Code	Pitch	Price(₹)
7381-T2S	10 pairs/set: 60-48TPI, 48-40TPI, 40-32TPI, 32-24TPI, 24-18TPI, 18-14TPI, 14-10TPI, 10-7TPI, 7-4.5TPI, 4.5-3.5TPI	9596

- Supplied in pairs
- Suitable for **3281, 3581** series

DIGITAL SCREW THREAD MICROMETER

NON-ROTATING SPINDLE **DATA OUTPUT**

measuring tips are not included

3581-25A

Unit: mm

- Measure pitch diameter of screw threads
- Resolution 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- LR44 battery, automatic power off
- Non- rotating spindle
- Ratchet stop
- Supplied with 60° setting standards
- Optional accessary: 55° setting standards (code **3281-SP**), measuring tips (code **7381**), date output cable

60° setting standards (included)

55° setting standards (optional)

Pitch	Range			
	0-25	25-50	50-75	75-100
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
2.5~3.5	±0.016	±0.019	±0.021	±0.021
4.0~7.0	-	±0.021	±0.023	±0.023

accuracy of micrometers with tips **(mm)**

(mm)

Code	Range	L	b	Price(₹)
3581-25A	0-25mm/0-1"	42	26	12611

Sizes available up to 100mm

SCREW THREAD MICROMETER

NON-ROTATING SPINDLE

measuring tips are not included

3281-25A

Unit: mm

60° setting standards (included)

55° setting standards (optional)
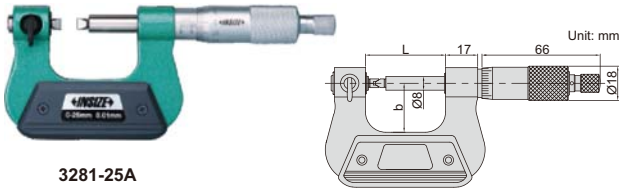
accuracy of micrometers with tips **(mm)**
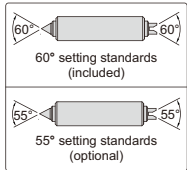
Pitch	Range					
	0-25	25-50	50-75	75-100	100-125	125-200
0.4~0.5	±0.01	-	-	-	-	-
0.6~0.8	±0.01	±0.013	-	-	-	-
1~1.25	±0.012	±0.015	±0.017	±0.017	-	-
1.5~2.0	±0.014	±0.017	±0.019	±0.019	±0.020	±0.023
2.5~3.5	±0.016	±0.019	±0.021	±0.021	±0.023	±0.025
4.0~7.0	-	±0.021	±0.023	±0.023	±0.025	±0.028

(mm)

- Measure pitch diameter of screw threads
- Graduation: 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with 60° setting standards
- Optional accessary: 55° setting standards (code **3281-SP**), measuring tips (code **7381**)

Code	Range	L	b	Price(₹)
3281-25A	0-25mm	42	26	5533
3281-50A	25-50mm	67	38	6168
3281-75A	50-75mm	92	50	7196
3281-100A	75-100mm	117.6	62	7983

Sizes available up to 200mm

MICROMETER HEAD

6381-25W

Unit: mm

- Graduation: 0.01mm
- Ratchet stop
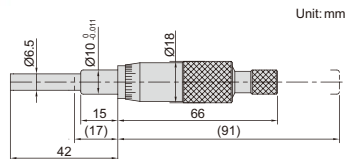
Code	Range	Stem	Spindle tip	Accuracy	Price(₹)
6381-25W	0-25mm	plain	flat (carbide)	3µm	1478

DIGITAL INSIDE MICROMETER

DATA OUTPUT

3520-30

Unit: mm

type B

type A

- Resolution: 0.001mm/0.00005"
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Optional accessary: data output cable, setting ring (code **6312**)

Code	Range	Type	Setting ring	Accuracy	Price(₹)
3520-30	5-30mm/0.2-1.2"	A	5mm(included)	±5µm	15690
3520-50	25-50mm/1-2"	B	25mm(included)	±6µm	16424

Sizes available up to 100mm

MICROMETER STAND

6300

Unit: mm

Code	Price(₹)
6300	1568

- Suitable for micrometers up to 100mm

MICROMETER STAND

6301

Unit: mm

Code	Price(₹)
6301	1069

- Suitable for micrometers up to 100mm

INSIDE MICROMETER

3220-50

Unit: mm

- Graduation: 0.01mm
- Ratchet stop
- Carbide measuring faces
- Optional accessary: setting ring (code **6312**)

type A   type B

Code	Range	Type	Setting ring	Accuracy	Price(₹)
3220-30	5-30mm	A	5mm(included)	7µm	4199
3220-50	25-50mm	B	25mm(included)	8µm	4543

Sizes available up to 300mm

TUBULAR INSIDE MICROMETER

3221-200

Unit: mm

- Graduation: 0.01mm
- Accuracy: (6+L/50)µm
  L=maximum measuring length(mm)
- Optional accessary: setting ring (code **6312**)
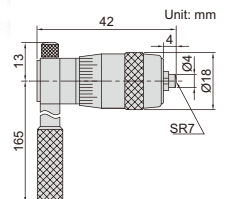
Code	Range	Travel of micrometer head	Extension rods	Price(₹)
3221-50	25-50mm	7mm	2pcs	7199
3221-200	50-200mm	13mm	6pcs	9368
3221-300	50-300mm	13mm	10pcs	10496

Sizes available up to 1000mm

TUBULAR INSIDE MICROMETER

- Graduation: 0.01mm
- Accuracy: (3+n+L/50)µm
  - n=number of rods,
  - L=maximum measuring length (mm)
- Supplied with setting standards
- Carbide measuring faces

3222-150

Unit: mm
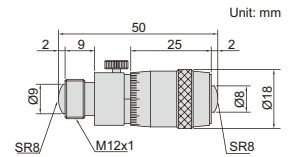
Code	Range	Travel of micrometer head	Extension rods	Price(₹)
3222-150	50-150mm	13mm	13mm, 25mm, 50mm	6462
3222-300	50-300mm	13mm	13mm, 25mm, 50mm (2pcs), 100mm	8697
3222-500	50-500mm	13mm	13mm, 25mm, 50mm (2pcs), 100mm, 200mm	10762
3222-600	50-600mm	13mm	13mm, 25mm, 50mm, 100mm, 150mm, 200mm	11378
3222-1000	50-1000mm	13mm	13mm, 25mm, 50mm (2pcs), 100mm, 200mm (2pcs), 300mm	20685
3222-1500	50-1500mm	13mm	13mm, 25mm, 50mm (2pcs), 100mm, 200mm (3pcs), 300mm (2pcs)	29096

THREE POINTS INTERNAL MICROMETER

MANUFACTURER INSPECTION CERTIFICATE

Manufacturer Inspection Certificate

INSIZE Inspection Certificate

Product name	Three Points Internal Micrometer	Standard temperature	20°C
Code No.	3227-30	Traceable to	Germany 10339/D-K-15015-01-02/2012-09
Measuring range	25-300mm		Germany 31-0830/DKD-K-08901/2012-09
Graduation	0.005mm	Judgement	Passed
Serial No.	0910120004	Inspector	Paulo

Unit: µm

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

- 6-12mm: graduation 0.001mm
  12-300mm: graduation 0.005mm
- Ratchet stop
- Optional accessory: setting rings
  (code **6312**)
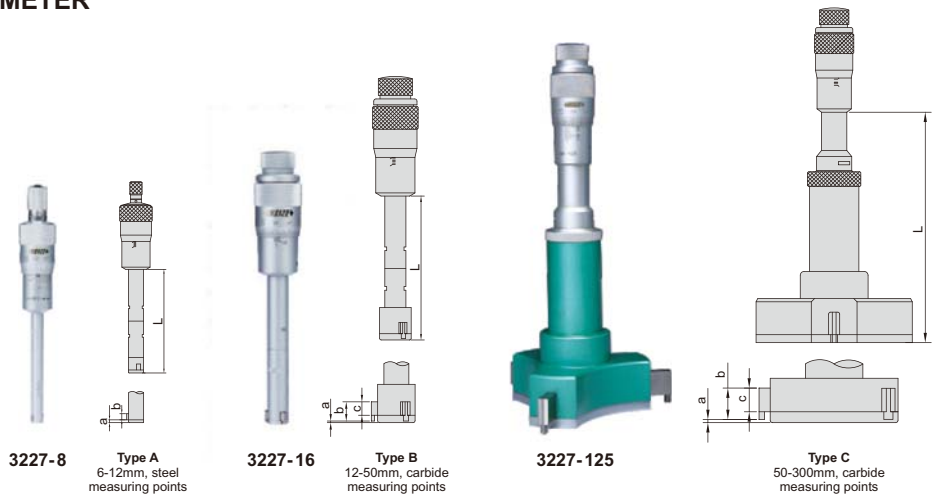
3227-8

Type A
6-12mm, steel measuring points

3227-16

Type B
12-50mm, carbide measuring points

3227-125

Type C
50-300mm, carbide measuring points

Individual (mm)

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	—	16991
3227-10 *	8-10mm	A	4µm	Ø8mm(included)	100mm	54.5	1.5	2.5	—	16991
3227-12 *	10-12mm	A	4µm	Ø10mm(included)	100mm	54.5	1.5	2.5	—	16991
3227-16 *	12-16mm	B	4µm	Ø16mm(included)	150mm	80	0.5	6	4.5	12837
3227-20 *	16-20mm	B	4µm	Ø16mm(included)	150mm	80	0.5	6	4.5	12837
3227-25 *	20-25mm	B	4µm	Ø25mm(included)	150mm	90	0.5	8	6	18043
3227-30 *	25-30mm	B	4µm	Ø25mm(included)	150mm	90	0.5	8	6	18043
3227-40 *	30-40mm	B	4µm	Ø40mm(included)	150mm	97	0.5	14	12	19433
3227-50 *	40-50mm	B	5µm	Ø40mm(included)	150mm	97	0.5	14	12	22569
3227-63 *	50-63mm	C	5µm	Ø62mm(included)	150mm	114	0.5	17.5	14.5	24433
3227-75 *	62-75mm	C	5µm	Ø62mm(included)	150mm	114	0.5	17.5	14.5	26208
3227-88 *	75-88mm	C	5µm	Ø87mm(included)	150mm	114	0.5	17.5	14.5	27392
3227-100 *	87-100mm	C	5µm	Ø87mm(included)	150mm	114	0.5	17.5	14.5	28487
3227-125 *	100-125mm	C	5µm	Ø112.5mm(optional)	150mm	145	0.5	19.5	14.5	34928
3227-150 *	125-150mm	C	5µm	Ø137.5mm(optional)	150mm	145	0.5	19.5	14.5	41727

setting ring

6-100mm: included
100-300mm: optional

extension rod

included

interchangeable jaws

100-300mm: have two sets of interchangeable jaws(For example, 3227-125 has 100-112.5mm and 112.5-125mm jaws)

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	47537
3227-202 *	12-20mm	12-16mm, 16-20mm	Ø16mm	150mm	23892
3227-504 *	20-50mm	20-25mm, 25-30mm, 30-40mm, 40-50mm	Ø25mm, Ø40mm	150mm	68213
3227-1004 *	50-100mm	50-63mm, 62-75mm, 75-88mm, 87-100mm	Ø62mm, Ø87mm	150mm	91260

* Supplied with manufacturer inspection certificate

- Sizes available up to 300mm

DIGITAL THREE POINTS INTERNAL MICROMETER

DATA OUTPUT | **IP54 WATERPROOF** | **MANUFACTURER INSPECTION CERTIFICATE**

Manufacturer Inspection Certificate

INSIZE	Inspection Certificate		
Product name	Digital Three Points Internal Micrometer	Standard temperature	20 °C
Code No.	3127-30	Traceable to	Germany 10339/D-K-15015-01-02/2012-09
Measuring range	25-30mm / 0.98-1.18"		Germany 31-0830/DKD-K-06901/2012-09
Resolution	0.001mm / 0.00005"	Judgement	Passed
Serial No.	0910120004	Inspector	Paulo

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

- 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 accessary: data output cable, setting ring (code **6312**)

3127-12
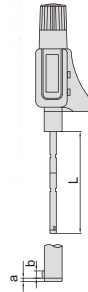
Type A
6-12mm, steel measuring points

3127-40
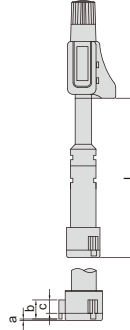
Type B
12-50mm, carbide measuring points

3127-125
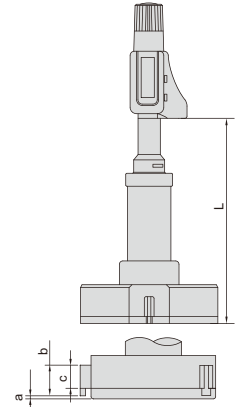
Type C
50-300mm, carbide measuring points

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	—	**29179**
3127-10 *	8-10mm/0.31-0.39"	A	4µm	Ø8mm(included)	100mm	54.5	1.5	2.5	—	**29179**
3127-12 *	10-12mm/0.39-0.47"	A	4µm	Ø10mm(included)	100mm	54.5	1.5	2.5	—	**29179**
3127-16 *	12-16mm/0.47-0.63"	B	4µm	Ø16mm(included)	150mm	80	0.5	6	4.5	**31431**
3127-20 *	16-20mm/0.63-0.79"	B	4µm	Ø16mm(included)	150mm	80	0.5	6	4.5	**31431**
3127-25 *	20-25mm/0.79-0.98"	B	4µm	Ø25mm(included)	150mm	90	0.5	8	6	**32726**
3127-30 *	25-30mm/0.98-1.18"	B	4µm	Ø25mm(included)	150mm	90	0.5	8	6	**32726**
3127-40 *	30-40mm/1.18-1.57"	B	4µm	Ø40mm(included)	150mm	97	0.5	14	12	**36158**
3127-50 *	40-50mm/1.57-1.97"	B	5µm	Ø40mm(included)	150mm	97	0.5	14	12	**36158**
3127-63 *	50-63mm/1.97-2.48"	C	5µm	Ø62mm(included)	150mm	114	0.5	17.5	14.5	**39071**
3127-75 *	62-75mm/2.44-2.95"	C	5µm	Ø62mm(included)	150mm	114	0.5	17.5	14.5	**41338**
3127-88 *	75-88mm/2.95-3.46"	C	5µm	Ø87mm(included)	150mm	114	0.5	17.5	14.5	**42957**
3127-100 *	87-100mm/3.43-3.94"	C	5µm	Ø87mm(included)	150mm	114	0.5	17.5	14.5	**44672**
3127-125 *	100-125mm/3.94-4.92"	C	5µm	Ø112.5mm(optional)	150mm	150	0.5	19.5	14.5	**46032**
3127-150 *	125-150mm/4.92-5.91"	C	5µm	Ø137.5mm(optional)	150mm	150	0.5	19.5	14.5	**52831**

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	**81116**
3127-202 *	12-20mm/0.47-0.79"	12-16mm, 16-20mm	Ø16mm	150mm	**57651**
3127-504 *	20-50mm/0.79-1.97"	20-25mm, 25-30mm, 30-40mm, 40-50mm	Ø25mm, Ø40mm	150mm	**120846**
3127-1004 *	50-100mm/1.97-3.94"	50-63mm, 62-75mm, 75-88mm, 87-100mm	Ø62mm, Ø87mm	150mm	**142387**

*Supplied with manufacturer inspection certificate

−Sizes available up to 300mm

setting ring

6-100mm: included
100-300mm: optional

extension rod

included

interchangeable jaws

100-300mm: have two sets of interchangeable jaws(For example, 3127-125 has 100-112.5mm and 112.5-125mm jaws)

# DIGITAL WIDE RANGE THREE POINTS INTERNAL MICROMETER

MANUFACTURER INSPECTION CERTIFICATE

- Resolution 0.001mm/0.00005"
- 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 accessary: data output cable

setting ring

extension rod

Unit: mm

IP54 WATERPROOF

DATA OUTPUT
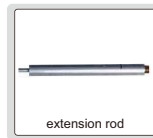
Code	Range	Accuracy	Setting ring	Extension rod (included)	Price(₹)
3128-70 *	50-70mm/1.97-2.76"	5µm	Ø50mm(included)	150mm	**35455**
3128-100 *	70-100mm/2.76-3.94"	5µm	Ø70mm(included)	150mm	**47207**
3128-150 *	100-150mm/3.94-5.91"	6µm	Ø100mm(included)	150mm	**78853**
3128-250 *	150-250mm/5.91-9.84"	8µm	Ø150mm(included)	150mm	**158914**
3128-300 *	200-300mm/7.87-11.81"	9µm	Ø200mm(optional)	150mm	**221688**

*Supplied with manufacturer inspection certificate

3128-70

BORE GAGE

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS

Unit: mm

18-35mm

35mm up to 450mm

18-35mm   35-60mm   50mm up to 160mm

160-250mm

250-450mm

ceramic anvil
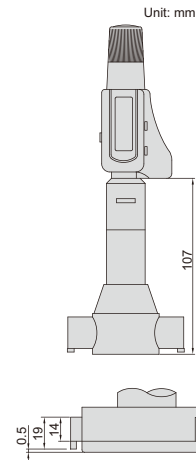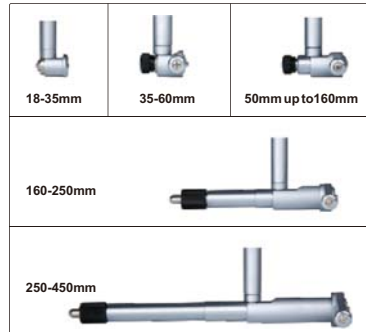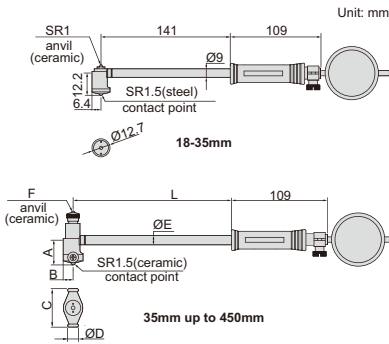
2322-35A

■ Optional accessory: setting ring (code **6312**), long handle (code **7351**)

Code	Range	Indicator	Accuracy	Repeatability	Price(₹)
2322-35A	18-35mm	dial indicator, range 10mm, graduation 0.01mm (code **2308-10FA**)	±0.015mm	0.003mm	6743
2322-60A	35-60mm		±0.018mm	0.003mm	6735
2322-100A	50-100mm		±0.018mm	0.003mm	7329
2322-160A	50-160mm		±0.018mm	0.003mm	7000
2322-161A	100-160mm		±0.018mm	0.003mm	7395
2322-250A	160-250mm		±0.018mm	0.003mm	9671
2322-450A	250-450mm		±0.018mm	0.003mm	10994

(mm)

Range	A	B	C	ØD	ØE	F	L
35-60mm	12.2	6.4	27	13	12.8	SR2	141
50-100mm	26	9	27	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

BORE GAGE FOR SMALL HOLES

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS

Unit: mm

6-10mm

10-18.5mm
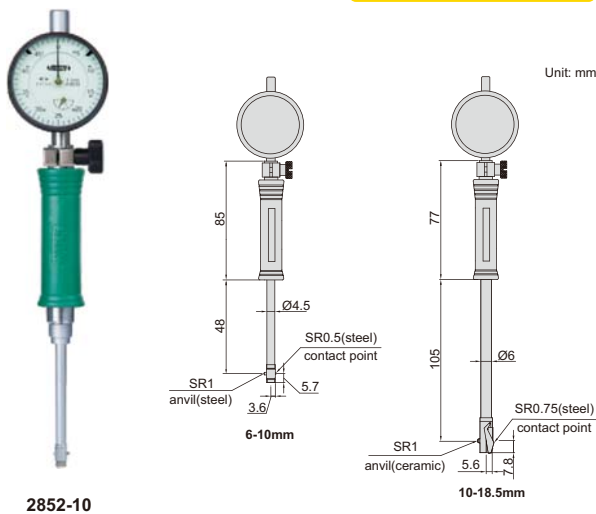
2852-10

6-10mm   10-18.5mm

■ Repeatability: 0.003mm
■ Optional accessory: setting ring (code **6312**)
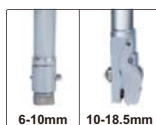
Code	Range	Indicator	Accuracy	Price(₹)
2852-10	6-10mm	dial indicator, range 3mm, graduation 0.01mm (code **2311-3F**)	±0.012mm	9129
2852-18	10-18.5mm		±0.012mm	8235

BORE GAGE

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS

Unit: mm
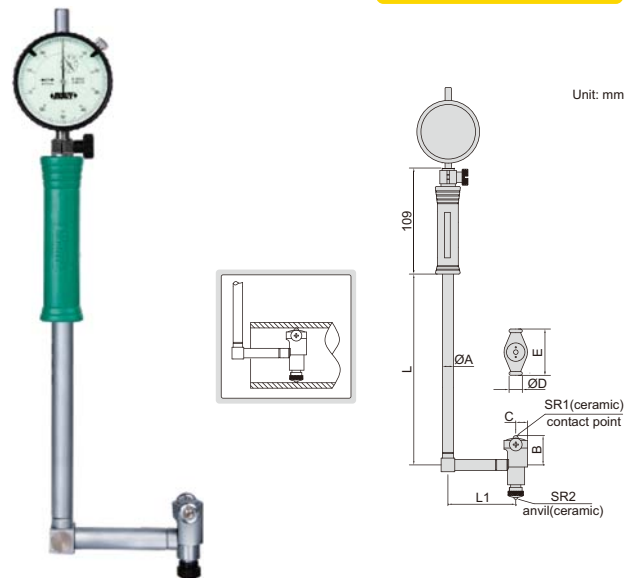
2827-160A

■ Repeatability: 0.003mm
■ Optional accessory: setting ring (code **6312**)

(mm)

Code	ØA	B	C	ØD	E	L	L1
2827-160A	12.8	28.5	9.2	13	35	141	76.2
2827-250A	14.5	62.0	12.7	13	74.5	391	100
2827-450A	14.5	91.5	15.0	15	101.5	391	100

Code	Range	Indicator	Accuracy	Price(₹)
2827-160A	50-160mm	dial indicator code **2308-10FA,** range 10mm, graduation 0.01mm	±0.018mm	11131
2827-250A	160-250mm		±0.018mm	14105
2827-450A	250-450mm		±0.018mm	14908

BORE GAGE

ATTENTION: NOT SUITABLE FOR 0.001MM DIAL INDICATORS

Unit: mm

SR2.5
anvil (ceramic)

391

Ø14.8

109

85

16

SR2 (ceramic)
contact point

123

Ø19
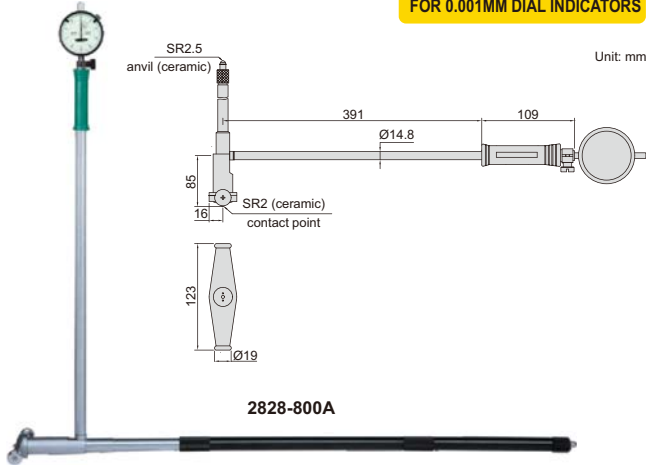
2828-800A

- Accuracy: ±0.025mm
- Repeatability: 0.003mm

Code	Range	Indicator	Price(₹)
2828-800A	400-800mm	dial indicator, code **2308-10FA**, range 10mm, graduation 0.01mm	13231

LONG HANDLE

Unit: mm

Ø8

109

ØD

A
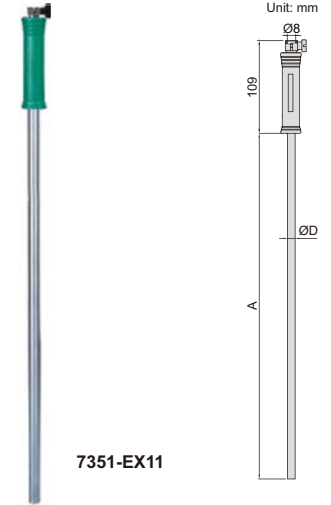
7351-EX11

- To assist deep-hole measurement
- Can be used for bore gages **2322** and **2122**

(mm)

Code	Applicable bore gages	A	ØD	Price(₹)
7351-EX11	35-60mm, 50-100mm, 50-160mm, 100-160mm	475	13	6733
7351-EX12		980	13	8244

ANVIL FOR BORE GAGES

7350-160

- 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	1462
7350-18	10-18.5mm	Ceramic	9pcs	10, 11, 12, 13, 14, 15, 16, 17, 18	1071
7350-35	18-35mm	Ceramic	9pcs	18, 20, 22, 24, 26, 28, 30, 32, 34	1046
7350-60	35-60mm	Ceramic	6pcs	35, 40, 45, 50, 55, 60	790
7350-160	50-160mm	Ceramic	12pcs	50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105	1684
7350-250	160-250mm	Ceramic	5pcs	160, 170, 180, 190, 200	1174
7350-450	250-450mm	Ceramic	5pcs	250, 260, 270, 280, 290	1174

TELESCOPING GAGE SET

(mm)

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

Øa

Øb

L

clamp

Øc

4206-1
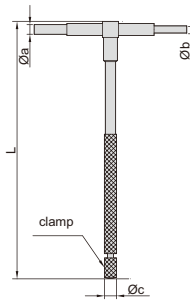
- 6 gages per set
- For quick measurement of inside diameter of holes and width of slots
- Satin chrome finish

step 1

step 2

Code	Total range	Gages included	Price(₹)
4206-1	8-150mm	8-12.7mm, 12.7-19mm 19-32mm, 32-54mm 54-90mm, 90-150mm	1715

SMALL HOLE GAGE SET

(mm)

Range	L	a	Øb
3-5mm	90	22.5	5.5
5-7.5mm	97.6	30	5.5
7.5-10mm	102.8	35	8.5
10-13mm	108	40	8.5

step 1

step 2

4208-1

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

Unit: mm

adjusting screw

Øb

a

67

L

Code	Total range	Gages included	Price(₹)
4208-1	3-13mm	3-5mm, 5-7.5mm, 7.5-10mm, 10-13mm	1139

DIGITAL RADIUS GAGE

2183

Unit: mm
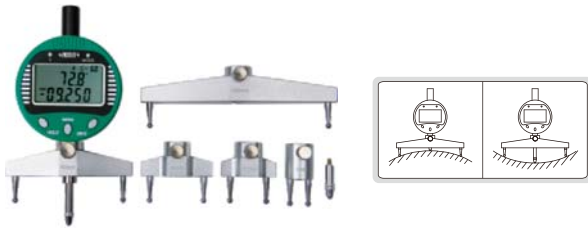
- Measure radius of internal and external arcs
- Supplied with 5 jaws for different sizes of arc
- Battery CR2032
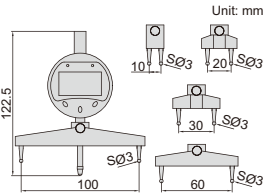
Code	Range of radius(R)	Resolution	Accuracy(mm)	Price(₹)
2183	5-700mm/0.2-27.5"	0.005mm/0.00005"	±0.01R*	22513

*R is the radius to be measured

CIRCUMFERENCE GAGE

7114-950

Unit: mm

thickness 0.8
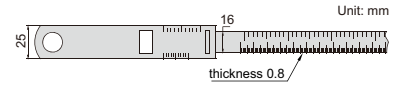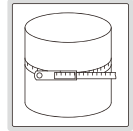
- Graduation: 0.1mm
- Measure diameter and circumference of pipes, trees, tires, etc.
- Laser engraved scale
- Made of stainless steel

Code	Circumference range	Diameter range	Accuracy		Price (₹)
			Circumference	Diameter	
7114-950	60-950mm	Ø20-300mm	±1.5mm	±0.5mm	786
7114-2200	940-2200mm	Ø300-700mm	±1.5mm	±0.5mm	972
7114-3460	2190-3460mm	Ø700-1100mm	±1.5mm	±0.5mm	1322

SETTING RING

CAN SUPPLY CUSTOM SETTING RING FROM Ø1.500MM TO Ø315.000MM, FOR EXAMPLE, Ø17.085MM

MANUFACTURER INSPECTION CERTIFICATE

Manufacturer Inspection Certificate

INSIZE Inspection Certificate

Unit:mm

Product name	Setting Ring
Code No.	6312-20
Serial No.	0512110112
Standard temperature	20°
Traceable to	Germany 10339/D-K-15015-01-02/2012-09
Judgement	Passed
Inspector	

| Marked Size | | 19.998 |
Diameter	at 0°	at 90°
Top	19.9987	19.9985
Middle	19.9984	19.9985
Bottom	19.9985	19.9986
Average		19.9985
Cylindricity		0.0003
Roundness		0.0002

6312-20

- For zero setting of inside micrometers, three points internal micrometers and bore gages
- Deviation (difference between the ordered size and the size marked on the setting ring when supplied):
  For example, the ordered size is Ø10.125mm, the size marked on the setting ring when supplied may be Ø10.127mm
- Meet DIN2250-1:2008

Diameter **	Deviation	Roundness and cylindricity
Ø1.5-3mm	±2.0µm	0.3µm
Ø3-10mm	±2.0µm	0.4µm
Ø10-18mm	±3.0µm	0.5µm
Ø18-25mm	±3.0µm	0.6µm
Ø25-30mm	±4.0µm	0.6µm
Ø30-50mm	±4.0µm	0.7µm
Ø50-80mm	±4.0µm	0.8µm
Ø80-100mm	±4.0µm	1.0µm
Ø100-120mm	±5.0µm	1.0µm
Ø120-180mm	±6.0µm	1.2µm
Ø180-250mm	±7.0µm	1.4µm
Ø250-315mm	±8.0µm	1.6µm

**For example Ø3-10mm means Ø3mm<Ød≤Ø10mm

(mm)

Code	Size	Price(₹)
6312-2*	Ø2	4059
6312-3*	Ø3	2649
6312-4*	Ø4	2649
6312-5*	Ø5	2649
6312-6*	Ø6	2854
6312-7*	Ø7	2854
6312-8*	Ø8	2854
6312-9*	Ø9	2854
6312-10*	Ø10	2854
6312-11*	Ø11	3113
6312-12*	Ø12	3113
6312-13*	Ø13	3113
6312-14*	Ø14	3113
6312-15*	Ø15	3113
6312-16*	Ø16	3318
6312-17*	Ø17	3318

Code	Size	Price(₹)
6312-18*	Ø18	3318
6312-19*	Ø19	3318
6312-20*	Ø20	3318
6312-21*	Ø21	3489
6312-22*	Ø22	3489
6312-23*	Ø23	3489
6312-24*	Ø24	3489
6312-25*	Ø25	3489
6312-26*	Ø26	3694
6312-27*	Ø27	3694
6312-28*	Ø28	3694
6312-29*	Ø29	3694
6312-30*	Ø30	3694
6312-31*	Ø31	4001
6312-32*	Ø32	4001
6312-33*	Ø33	4001

Code	Size	Price(₹)
6312-34*	Ø34	4001
6312-35*	Ø35	4001
6312-36*	Ø36	4206
6312-37*	Ø37	4206
6312-38*	Ø38	4206
6312-39*	Ø39	4206
6312-40*	Ø40	4206
6312-41*	Ø41	4411
6312-42*	Ø42	4411
6312-43*	Ø43	4411
6312-44*	Ø44	4411
6312-45*	Ø45	4411
6312-46*	Ø46	4616
6312-47*	Ø47	4616
6312-48*	Ø48	4616
6312-49*	Ø49	4616

Code	Size	Price(₹)
6312-50*	Ø50	4616
6312-55*	Ø55	5313
6312-60*	Ø60	5484
6312-62*	Ø62	5689
6312-65*	Ø65	5689
6312-70*	Ø70	5894
6312-75*	Ø75	6099
6312-80*	Ø80	6509
6312-85*	Ø85	6884
6312-87*	Ø87	7704
6312-90*	Ø90	7704
6312-95*	Ø95	8763
6312-100*	Ø100	10335

*Supplied with manufacturer inspection certificate

DIGITAL INDICATOR

MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO NIST

DATA OUTPUT
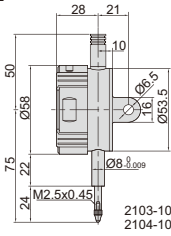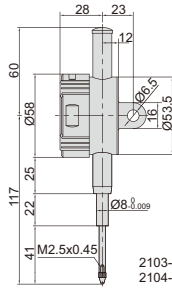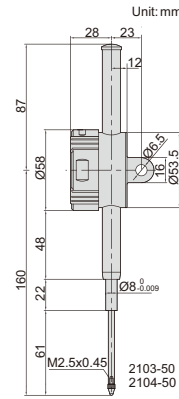
- Reading in digit and analog
- Display can be rotated by 320º
- Button function: tolerance Go and No-Go display, data preset, measuring direction change, max./min./range measurement, inch/metric conversion, absolute/incremental measurement
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable, backs, contact points

2103-10

2104-25

2103-50

Unit: mm

display can be rotated by 320º

spindle lift knob is included (except **2103-10**, **2104-10**)

max./min./range measurement

Resolution 0.001mm/0.00005"

Code	Range	Accuracy	Hysteresis	Remark	Price(₹)
2103-10*	12.7mm/0.5"	5µm	2µm	lug back	13032
2103-25*	25.4mm/1"	5µm	3µm	lug back	14793
2103-50*	50.8mm/2"	6µm	3µm	lug back	23668

Resolution 0.01mm/0.0005"

Code	Range	Accuracy	Hysteresis	Remark	Price(₹)
2104-10*	12.7mm/0.5"	20µm	10µm	lug back	6072
2104-25*	25.4mm/1"	20µm	10µm	lug back	7814

*Supplied with manufacturer inspection certificate traceable to NIST USA

DIGITAL INDICATOR

MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO NIST

DATA OUTPUT

- Button function: on/off, inch/mm, zero
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable, backs, contact points

2112-101

2112-251

2112-501

Unit: mm

spindle lift knob is included (except **2112-101/101F, 2112-10/10F**)

Resolution 0.001mm/0.00005"

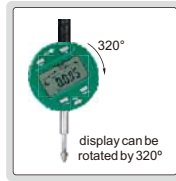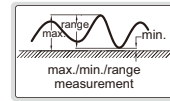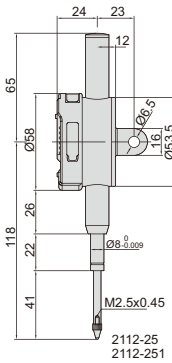| Code	Range	Accuracy	Hysteresis	Remark	Price(₹)
2112-101*	12.7mm/0.5"	5µm	2µm	lug back	10178
2112-251*	25.4mm/1"	5µm	3µm	lug back	11667
2112-501*	50.8mm/2"	6µm	3µm	lug back	21115
2112-101F*	12.7mm/0.5"	5µm	2µm	flat back	10084

Resolution 0.01mm/0.0005"

Code	Range	Accuracy	Hysteresis	Remark	Price(₹)
2112-10*	12.7mm/0.5"	20µm	10µm	lug back	4189
2112-25*	25.4mm/1"	20µm	10µm	lug back	5743
2112-50*	50.8mm/2"	30µm	10µm	lug back	13184
2112-10F*	12.7mm/0.5"	20µm	10µm	flat back	4099

*Supplied with manufacturer inspection certificate traceable to NIST USA

COMPACT DIGITAL INDICATOR

MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO NIST

DATA OUTPUT

- 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
- CR1632 battery, automatic power off
- Data output
- Optional accessory: data output cable, contact points

2114-51F

Unit: mm

Code	Range	Resolution	Accuracy	Hysteresis	Remark	Price(₹)
2114-5F*	5mm/0.2"	0.01mm/0.0005"	20µm	10µm	flat back	4754
2114-51F*	5mm/0.2"	0.001mm/0.00005"	5µm	2µm	flat back	11445

*Supplied with manufacturer inspection certificate traceable to NIST USA

WATERPROOF DIGITAL INDICATOR

DATA OUTPUT
WATERPROOF
INSIZE MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO NIST

Unit: mm

2115-10
2115-101

2115-25
2115-251
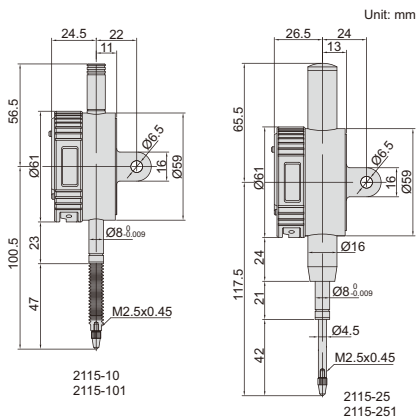
2115-10

- Dust/waterproof
- With lug back
- Button function: on/off, zero, mm/inch
- CR2032 battery, automatic power off
- Data output
- Optional accessory: data output cable, 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	12666
2115-251*	25.4mm/1"	IP54	5µm	3µm	16361

Resolution 0.01mm/0.0005"

Code	Range	Dust/waterproof	Accuracy	Hysteresis	Price(₹)
2115-10*	12.7mm/0.5"	IP65	20µm	10µm	5543
2115-25*	25.4mm/1"	IP54	20µm	10µm	7458

*Supplied with manufacturer inspection certificate traceable to NIST USA

DIAL INDICATOR

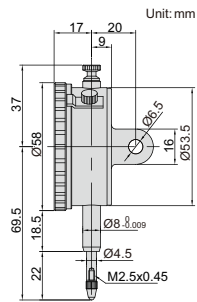ATTENTION: PROMOTION MODEL
INSIZE MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO NIST

2301-10

carton box

Unit: mm

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

Code	Range	Accuracy	Hysteresis	Range/rev	Remark	Price(₹)
2301-10*	10mm	17µm	3µm	1mm	lug back	1430
2301-10F*	10mm	17µm	3µm	1mm	flat back	1405

*Supplied with manufacturer inspection certificate traceable to NIST USA

DIAL INDICATOR

JEWELED BEARING
INSIZE MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO NIST

2308-10A

Unit: mm

- Graduation: 0.01mm
- Dial reading 0-100
- Jeweled bearing
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points
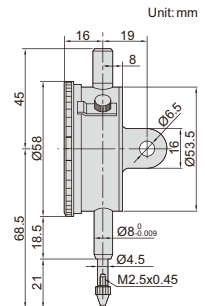
Code	Range	Accuracy	Hysteresis	Range/rev	Remark	Price(₹)
2308-10A*	10mm	17µm	3µm	1mm	lug back	1504
2308-10FA*	10mm	17µm	3µm	1mm	flat back	1552

*Supplied with manufacturer inspection certificate traceable to NIST USA

DIAL INDICATOR

INSIZE MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO NIST

2302-25

carton box

Unit: mm

- Graduation: 0.01mm
- Dial reading 0-100
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points
- Packed in carton box
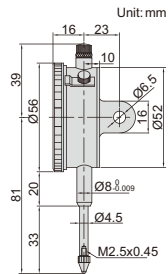
Code	Range	Accuracy	Hysteresis	Range/rev	Remark	Price(₹)
2302-25*	25mm	35µm	7µm	1mm	lug back	2724

*Supplied with manufacturer inspection certificate traceable to NIST USA

DIAL INDICATOR

INSIZE MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO NIST

2310-30A

Unit: mm

- Graduation: 0.01mm
- Dial reading 0-100
- With lug back
- Supplied with limit pointers and bezel clamp
- Optional accessory: backs, contact points
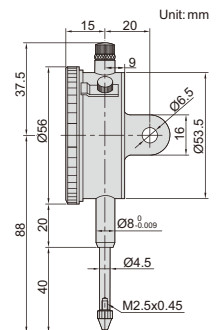
Code	Range	Accuracy	Hysteresis	Range/rev	Price(₹)
2310-30A*	30mm	35µm	7µm	1mm	3719

*Supplied with manufacturer inspection certificate traceable to NIST USA

COMPACT DIAL INDICATOR

MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO NIST

JEWELED BEARING

2311-5

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

Code	Range	Accuracy	Hysteresis	Range/rev	Dial reading	Price(₹)
2311-5*	5mm	16μm	3μm	0.5mm	0-50	2213

*Supplied with manufacturer inspection certificate traceable to NIST USA

PRECISION DIAL INDICATOR

MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO NIST

JEWELED BEARING

2313-1A

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

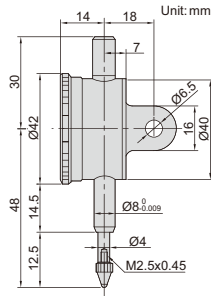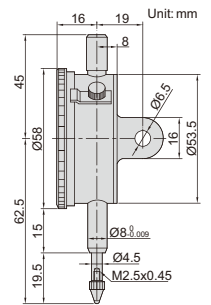| Code	Range	Accuracy	Hysteresis	Range/rev	Dial reading	Price(₹)
2313-1A*	1mm	5μm	2μm	0.2mm	0-100-0	4901

*Supplied with manufacturer inspection certificate traceable to NIST USA

DIAL INDICATOR

JEWELED BEARING   SHOCK PROOF   MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO NIST

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

2309-50

back of **2309-100D**

stem clamp Ø10mm of **2309-100D**

2309-50   2309-100D

Code	Range	Accuracy	Hysteresis	Remark	Price(₹)
2309-50*	50mm	40μm	8μm	flat back with spare lug back	6942
2309-100D	100mm	50μm	9μm	flat back with spare lug back	17860

*Supplied with manufacturer inspection certificate traceable to NIST USA
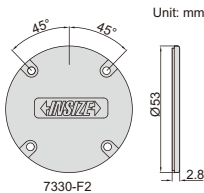
Note: 1) **2309-100D** can only be used vertically
2) **2309-100D** is supplied with stem clamp Ø10mm for magnetic stands (code **6200-60**, **6201-60**, **6202-80**, **6202-100**)

FLAT BACK

Unit: mm
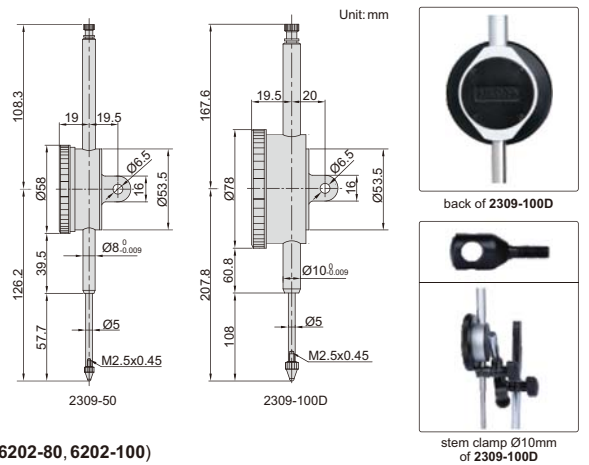
7330-F2

7330-F2

Code	For digital/dial indicators	Price(₹)
7330-F1	2311	102
7330-F2	2308	102
	2309	
	2310	
	2313	

Code	For digital/dial indicators	Price(₹)
7330-F5	2103	133
	2104	
	2112	
	2114	
	2115	

CONTACT POINT

6282-1601

BALL POINT

Code	Material of measuring face	Price (₹)
6282-0101	carbide	224

6282-0101
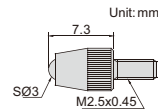
BALL POINT

Code	Material of measuring face	Price (₹)
6282-0305	carbide	208

6282-0305
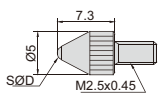
FLAT POINT

Code	Material of measuring face	Price (₹)
6282-1201	steel	964

6282-1201
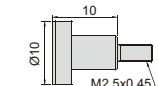
NEEDLE POINT (mm)

Code	Material of measuring face	L1	L	SR	Price (₹)
6282-1601	steel	11	15	0.4	340
6282-1602	steel	13	17	0.2	363
6282-1604	steel	31	35	0.4	572

Unit: mm

Radtus(SR)
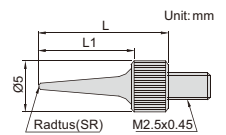
ROLLER POINT

Code	Material of measuring face	Price (₹)
6282-1901	steel	4454

6282-1901

EXTENSION ROD

Unit: mm

Ø4 M2.5x0.45 M2.5x0.45
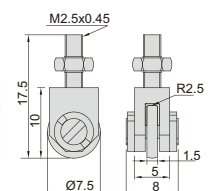
6282-2001

Code	Material	L	Price(₹)
6282-2001	steel	10	133
6282-2003	steel	20	155
6282-2005	steel	30	167

(mm)

Code	Material	L	Price(₹)
6282-2009	steel	50	184
6282-2017	steel	100	283
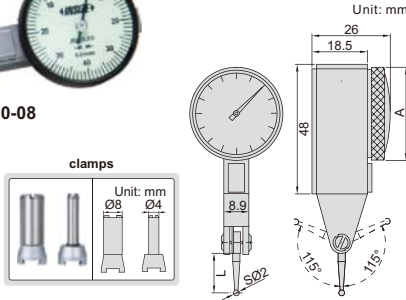
(mm)

DIAL TEST INDICATOR

JEWELED BEARING

MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO NIST

2380-08

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

clamps

Unit: mm
Ø8 Ø4

Unit: mm
26
18.5
48
A
8.9
115° 115°
SØ2
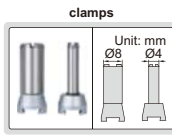
Graduation: 0.01mm (mm)

Code	Range	Accuracy	Hysteresis	Dial reading	A	L	Price(₹)
2380-08*	0.8mm	13µm	3µm	0-40-0	Ø30	13.5	2719
2381-08*	0.8mm	13µm	3µm	0-40-0	Ø37.5	13.5	3063

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	4904
2381-02*	0.2mm	6µm	2µm	0-100-0	Ø37.5	12.5	5106

*Supplied with manufacturer inspection certificate traceable to NIST USA

STYLI FOR DIAL TEST INDICATORS

6284-3

L
D
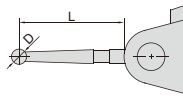
(mm)

Code	For dial test indicator	Material of contact point	L	D	Price (₹)
6284-1	2380-08, 2398-08 2381-08, 2399-08	Steel	13.5	SØ1	240
6284-3		Carbide	13.5	SØ2	334
6284-4		Ruby	13.5	SØ2	355
6284-8		Carbide	13.5	SØ3	381
6284-21	2380-02 2381-02	Steel	12.5	SØ1	266
6284-22		Carbide	12.5	SØ2	333
6284-23		Carbide	12.5	SØ3	333
6284-44	2880-02 2880-02R 2895-08 2897-02 2898-08	Carbide	11.7	SØ0.4	4664
6284-41		Carbide	11.7	SØ1	2039
6284-42		Carbide	11.7	SØ2	1312
6284-45		Ruby	11.7	SØ2	2872
6284-43		Carbide	11.7	SØ3	2039
6284-51	2896-05 2899-05	Carbide	34.6	SØ1	2039
6284-52		Carbide	34.6	SØ2	2039
6284-55		Ruby	34.6	SØ2	2872
6284-53		Carbide	34.6	SØ3	2039

BACK PLUNGER TYPE DIAL TEST INDICATOR

MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO NIST

JEWELED BEARING

2398-08
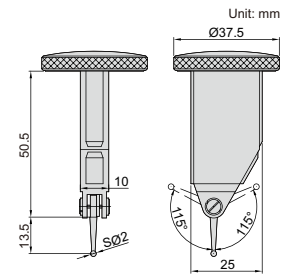
Unit: mm
Ø37.5
50.5
10
13.5
SØ2
115° 115°
25

clamps

Unit: mm
Ø8 Ø4

- 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	4102

*Supplied with manufacturer inspection certificate traceable to NIST USA

DIAL TEST INDICATOR

MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO NIST

JEWELED BEARING

2399-08

Unit: mm
34
16.5
Ø37.5
13.5
115° 115°
SØ2

clamps

Unit: mm
Ø8 Ø4
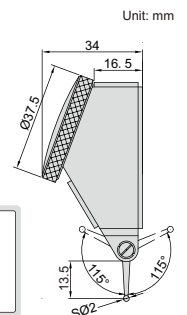
- Graduation: 0.01mm
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli

Code	Range	Accuracy	Hysteresis	Dial reading	Price(₹)
2399-08*	0.8mm	13µm	3µm	0-40-0	4102

*Supplied with manufacturer inspection certificate traceable to NIST USA

LARGE RANGE DIAL TEST INDICATOR
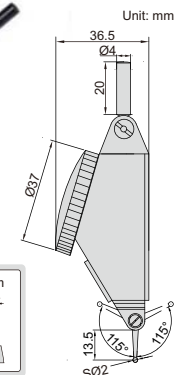
MANUFACTURER INSPECTION CERTIFICATE TRACEABLE TO NIST

JEWELED BEARING

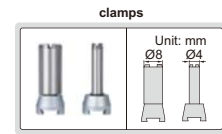**2386-16A**

Unit: mm
36.5
Ø4
20
Ø37
13.5
115° 115°
SØ2

clamps
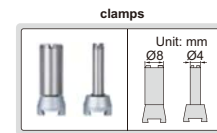
Unit: mm
Ø8 Ø4

- 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
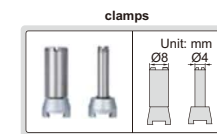
Code	Range	Accuracy	Hysteresis	Dial reading	Price(₹)
2386-16A*	1.6mm	38µm	11µm	0-40-0	6530

*Supplied with manufacturer inspection certificate traceable to NIST USA

DIAL TEST INDICATOR UNIVERSAL HOLDER

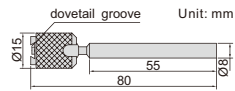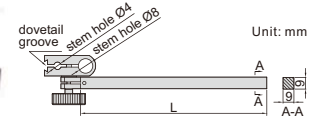**6297-1**

dovetail groove   Unit: mm

Code	Price(₹)
6297-1	818

■ Set the indicators at the desired attitude to the workpiece

DIAL TEST INDICATOR HOLDER

6293-1

dovetail groove   stem hole Ø4   stem hole Ø8   Unit: mm

Code	Stem section	Stem length(L)	Price(₹)
6293-1	9x9mm	100mm	714
6293-6	9x9mm	50mm	838

DIAL TEST INDICATOR CENTERING HOLDER

6291-1

dovetail groove   stem hole Ø4   Unit: mm
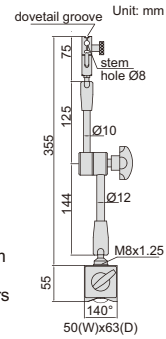108
60   23
Ø8
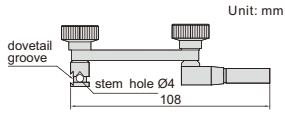
Code	Price(₹)
6291-1	801

■ Center cylinders or holes on machine tools

UNIVERSAL MAGNETIC STAND

ATTENTION: LOW LOCKING FORCE

dovetail groove   Unit: mm
stem hole Ø8
75
125
355
144   Ø10
Ø12
55   M8x1.25
140°
50(W)x63(D)
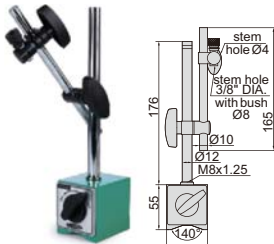
■ Magnetic force : 80kgf
■ Applicable holding stem Ø8mm
■ For digital/dial indicators and dial test indicators

Code	Remark	Price(₹)
6208-80A	with fine adjustment and dovetail groove	2733

6208-80A

MAGNETIC STAND

Unit: mm

6200-60
stem hole Ø4
stem hole 3/8" DIA. with bush Ø8
176   165
Ø10
Ø12
M8x1.25
55
140°
50(W)x60(D)
6200-60

6201-60
20° adjustable
stem hole Ø4
stem hole 3/8" DIA. with bush Ø8
176   155
Ø10
Ø12
M8x1.25
55
140°
50(W)x60(D)
6201-60

6202-80
20° adjustable
stem hole Ø4
stem hole 3/8" DIA. with bush Ø8
225   200
Ø12
Ø16
M8x1.25
55
140°
50(W)x60(D)
6202-80

6202-100
20° adjustable
stem hole Ø4
stem hole 3/8" DIA. with bush Ø8
355   220
Ø12
Ø20
M10x1.25
55
140°
50(W)x73(D)
6202-100
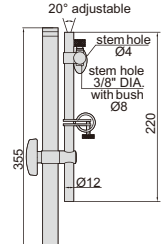
■ For digital/dial indicators and dial test indicators

Code	Magnetic force	Applicable holding stem	Remark	Price(₹)
6200-60	60kgf	Ø8mm, Ø4mm, 3/8" DIA.	without fine adjustment	1128
6201-60	60kgf	Ø8mm, Ø4mm, 3/8" DIA.	with fine adjustment	1045
6202-80	80kgf	Ø8mm, Ø4mm, 3/8" DIA.	with fine adjustment	2040
6202-100	100kgf	Ø8mm, Ø4mm, 3/8" DIA.	with fine adjustment	2910

MINI MAGNETIC STAND

Unit: mm
dovetail groove
stem hole Ø6
75   50
Ø6   stem hole Ø8
25
Ø30
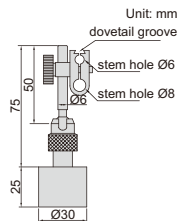
■ For dial test indicators
■ With dovetail groove

6211-10

Code	Magnetic force	Applicable holding stem	Price(₹)
6211-10	10kgf	Ø6mm, Ø8mm	2046

MINI MAGNETIC STAND

Unit: mm
dovetail groove
stem hole Ø8
75
192   47
Ø8
57   Ø9
36
140°
30(W)x36(D)
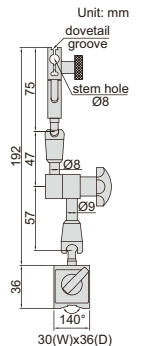
■ Magnetic force : 40kgf
■ For dial test indicators
■ With fine adjustment and dovetail groove

6224-40

Code	Applicable holding stem	Price(₹)
6224-40	Ø8mm	4759

UNIVERSAL MAGNETIC STAND
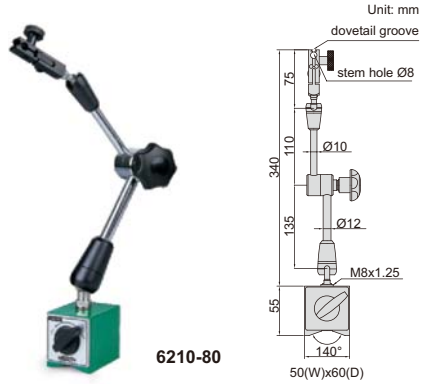
Unit: mm

dovetail groove
stem hole Ø8

- For digital/dial indicators and dial test indicators
- With fine adjustment and dovetail groove

Ø10
Ø12
M8x1.25
140°
50(W)x60(D)

6210-80

Code	Magnetic force	Applicable holding stem	Price(₹)
6210-80	80kgf	Ø8mm	5134

FLEX ARM MAGNETIC STAND

Unit: mm

stem hole Ø4
stem hole 3/8" DIA. with bush Ø8
Ø16
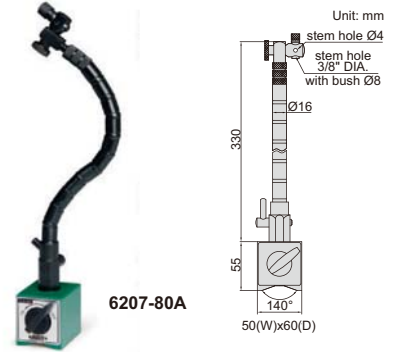
- For dial test indicators

6207-80A

140°
50(W)x60(D)

Code	Magnetic force	Applicable holding stem	Price(₹)
6207-80A	80kgf	Ø8mm, Ø4mm, 3/8" DIA.	2285

MINI BENCH CENTER

Unit: mm

stem hole Ø8mm

D
H
70
138(W)x114(D)
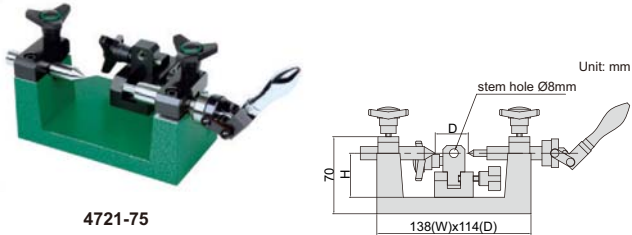
4721-75

- Horizontal parallelism: 0.003mm
- Vertical parallelism: 0.003mm
- Distance between two centers (D): 75mm

Code	Center height (H)	Taper of center	Weight	Load	Price(₹)
4721-75	40mm	MT1	3.7kg	4kg	80974

BENCH CENTER

V-slot
V-slot

Unit: mm

column
dovetail groove
stem hole Ø8
Ø20
Ø14
18
20
243.5
tailstock
guide surface
80
300
550(W)x130(D)
tailstock
161
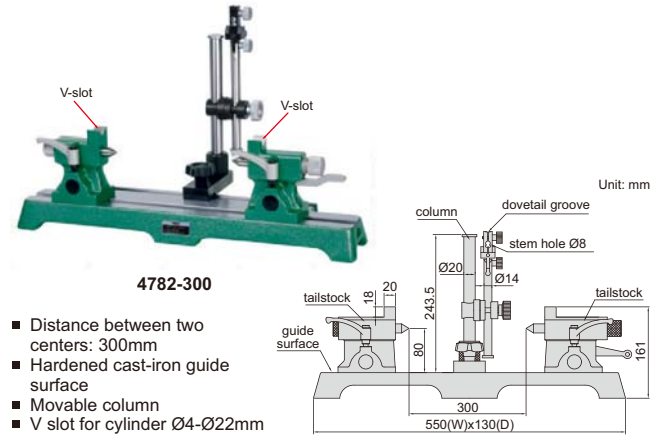
4782-300

- Distance between two centers: 300mm
- Hardened cast-iron guide surface
- Movable column
- V slot for cylinder Ø4-Ø22mm

| Code	Horizontal parallelism	Vertical parallelism	Center height	Taper of center	Load	Price(₹)
4782-300	0.01mm	0.015mm	80mm	MT1	25kg	124068

CONCENTRICITY GAGE

Unit: mm

stem hole Ø8
dovetail groove

M8x1.25
80
250(W)x78(D)

4789-1

4789-3

can add other magnetic stands

- Accuracy 2μm
- Optional accessory: dial test indicator, mini magnetic stand (code **6224-40**)

maximum workpiece length 75mm, maximum outstretch length 30mm

≤75mm
≤30mm

Code	Applicable diameter	Price(₹)
4789-1	Ø3.5mm-25mm	60578
4789-3	Ø1mm-25mm	62908

INTERNAL DIAL CALIPER GAGE

2321-35

L
A
D

(mm)
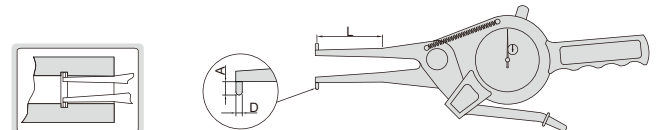
Code	Range	Graduation	Accuracy	L	A	D	Price(₹)
2321-35	15-35mm	0.01mm	±0.04mm	50	3	Ø3	8693
2321-AL35	15-35mm	0.01mm	±0.04mm	200	3	Ø3	21756
2321-55	35-55mm	0.01mm	±0.04mm	80	6	Ø3	8693
2321-AL55	35-55mm	0.01mm	±0.04mm	250	8	Ø3	21756
2321-75	55-75mm	0.01mm	±0.04mm	90	8	Ø3	8883
2321-AL75	55-75mm	0.01mm	±0.04mm	250	8	Ø3	21756
2321-95	75-95mm	0.01mm	±0.04mm	100	8	Ø3	9073

Sizes available up to 135mm

EXTERNAL DIAL CALIPER GAGE

2332-20

Unit: mm
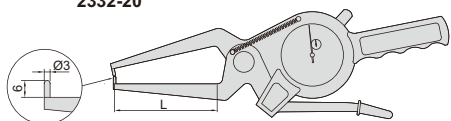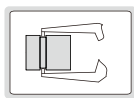
Code	Range	Graduation	Accuracy	L(mm)	Price(₹)
2332-20	0-20mm	0.01mm	±0.04mm	60	8693
2332-40	20-40mm	0.01mm	±0.04mm	60	8693
2332-60	40-60mm	0.01mm	±0.04mm	55	8693

Sizes available up to 100mm

EXTERNAL DIAL CALIPER GAGE

2333-201

Unit: mm

(mm)
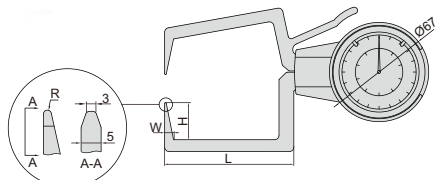
Code	Range	Graduation	Accuracy	L	H	W	R	Price(₹)
2333-201	0-20mm	0.01mm	±0.03mm	80	25	6.5	R0.5	11209
2333-301	10-30mm	0.01mm	±0.03mm	80	25	6.5	R0.5	12374
2333-401	20-40mm	0.01mm	±0.03mm	80	25	6.5	R0.5	12374
2333-501	30-50mm	0.01mm	±0.03mm	80	25	6.5	R0.5	12374
2333-601	40-60mm	0.01mm	±0.03mm	80	25	6.5	R0.5	12893

DIGITAL THICKNESS GAGE

DATA OUTPUT

Unit: mm

2871-101

- Ceramic spindle tip and anvil
- Buttons: on/off, zero, mm/inch
- Battery CR2032, automatic power off
- Data output
- Optional accessory: data output cable

Code	Range	Resolution	Accuracy	Price(₹)
2871-10	0-10mm/0-0.4"	0.01mm/0.0005"	±0.02mm	6165
2871-101	0-10mm/0-0.4"	0.001mm/0.00005"	±0.005mm	13366

INTERNAL DIAL CALIPER GAGE

Unit: mm

2222-15

(mm)

Code	Range	Graduation	Accuracy	L	H	W	R	Price(₹)
2222-15	5-15mm	0.01mm	±0.02mm	20	2	2.5	R0.3	10335
2222-25	5-25mm	0.01mm	±0.03mm	35	1.5	1.0	R0.3	11209
2222-301	10-30mm	0.01mm	±0.03mm	55	5.5	2.5	R0.5	12374
2222-401	20-40mm	0.01mm	±0.03mm	80	6.0	3.0	R0.5	12374
2222-501	30-50mm	0.01mm	±0.03mm	80	8.0	3.0	R0.5	12374
2222-60	40-60mm	0.01mm	±0.03mm	80	8.0	3.0	R0.5	12893

THICKNESS GAGE

Unit: mm

2365-10

Code	Range	Graduation	Accuracy	Price(₹)
2365-10	0-10mm	0.01mm	±0.02mm	5602

Sizes available up to 20mm

THICKNESS GAGE

Unit: mm

2364-10

Code	Range	Graduation	Accuracy	Price(₹)
2364-10	0-10mm	0.01mm	±0.02mm	3468

THICKNESS GAGE

Unit: mm
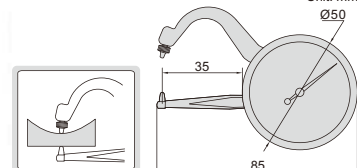
2862-101

Code	Range	Graduation	Accuracy	Price(₹)
2862-101	0-10mm	0.05mm	±0.1mm	3018

TUBE THICKNESS GAGE

Unit: mm

- Measure tube wall thickness
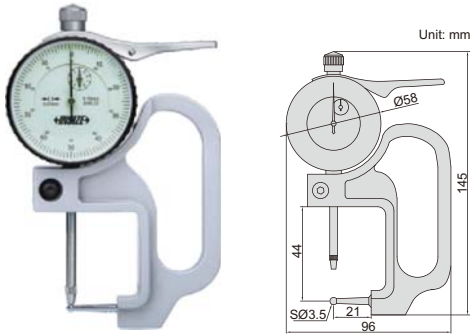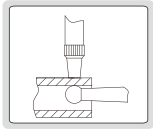
2367-10A

Code	Range	Graduation	Accuracy	Price(₹)
2367-10A	0-10mm	0.01mm	±0.02mm	7895

THICKNESS GAGE

Unit: mm
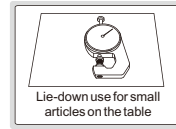
Lie-down use for small articles on the table

2361-10
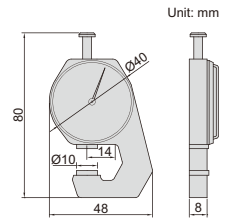
Code	Range	Graduation	Accuracy	Price(₹)
2361-10	0-10mm	0.1mm	±0.05mm	2209

DIGITAL SNAP GAGE

DATA OUTPUT

Unit: mm
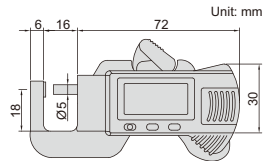
2166-12

- Optional accessory: data output cable

Code	Range	Resolution	Accuracy	Price(₹)
2166-12	0-12mm/0-0.5"	0.01mm/0.0005"	±0.03mm	6103

DIGITAL SNAP GAGE

ATTENTION: NO DATA OUTPUT

2167-25

Unit: mm
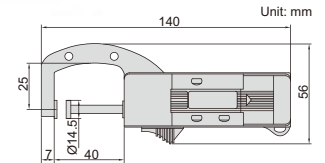
Code	Range	Resolution	Accuracy	Price(₹)
2167-25	0-25mm/0-1"	0.01mm/0.0005"	±0.03mm	10109

STEP AND GAP GAGE

DATA OUTPUT

front **2168-12** back

step height | gap width

Unit: mm
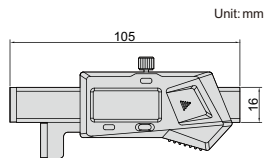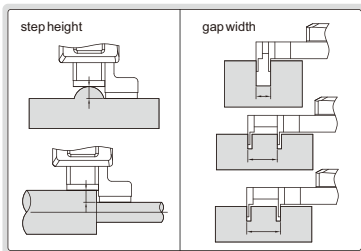
- Measure step height and gap width
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Supplied with zero setting block
- Optional accessory: data output cable

zero setting block

Code	Range	Accuracy	Price(₹)
2168-12	0-12.7mm/0-0.5"	±0.03mm	11811

CRANKSHAFT TESTER

2841-500

Unit: mm

dial indicator | balance block | extension rods

anvils
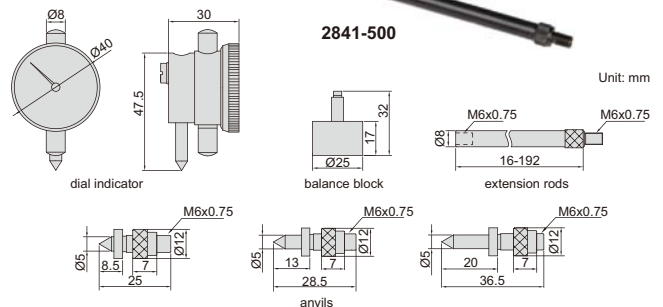
- Dial indicator range: 3mm
- Graduation: 0.01mm
- Accuracy: ±0.016mm
- To test crankshaft deflection
- The balance block is mounted on the back of dial indicator to keep the dial indicator facing up

Code	Range	Extension rods	Price(₹)
2841-300	60-300mm	16mm,32mm,64mm,128mm	18566
2841-500	60-500mm	16mm,32mm,64mm,96mm,128mm,192mm	20521

STEEL GAGE BLOCK SET

MANUFACTURER INSPECTION CERTIFICATE

Blocks per set	Blocks included in set			Code		Code		Code	
	Size (mm)	Step (mm)	Quantity	Grade 0	Price(₹)	Grade 1	Price(₹)	Grade 2	Price(₹)
112	1.0005 1.001-1.009 1.01-1.49 0.5-24.5 25-100	 0.001 0.01 0.5 25	1 9 49 49 4	4100-112	81581	4100-1112	52416	4100-2112	28474
87	1.001-1.009 1.01-1.49 0.5-9.5 10-100	0.001 0.01 0.5 10	9 49 19 10	4100-87	59823	4100-187	35023	4100-287	19039
83	0.5 1 1.005 1.01-1.49 1.5-1.9 2-9.5 10-100	 0.01 0.1 0.5 10	1 1 1 49 5 16 10	4100-83	53067	4100-183	29915	4100-283	17950

- Made of alloy steel
- Meet ISO3650
- Supplied with manufacturer inspection certificate

4100-87

INDIVIDUAL STEEL GAGE BLOCK

- Made of alloy steel
- Meet ISO3650
- Supplied with manufacturer inspection certificate

CUSTOM SIZES
CAN SUPPLY ANY SIZES WITHIN 0.5 ~ 1000MM, SUCH AS 72.672MM
SIZE<100MM: MOQ 6PCS PER SIZE
SIZE>100MM: MOQ 3PCS PER SIZE

MANUFACTURER INSPECTION CERTIFICATE

4101-B70

Grade 1

Code	Size	Price(₹)
4101-BD5	0.5mm	1146
4101-B1	1mm	769
4101-B1D001	1.001mm	903
4101-B1D002	1.002mm	903
4101-B1D003	1.003mm	903
4101-B1D004	1.004mm	903
4101-B1D005	1.005mm	903
4101-B1D006	1.006mm	903
4101-B1D007	1.007mm	903
4101-B1D008	1.008mm	903
4101-B1D009	1.009mm	903
4101-B1D01	1.01mm	903
4101-B1D02	1.02mm	903
4101-B1D03	1.03mm	903
4101-B1D04	1.04mm	903
4101-B1D05	1.05mm	903
4101-B1D06	1.06mm	903
4101-B1D07	1.07mm	903
4101-B1D08	1.08mm	903
4101-B1D09	1.09mm	903
4101-B1D1	1.1mm	903
4101-B1D11	1.11mm	903
4101-B1D12	1.12mm	903
4101-B1D13	1.13mm	903
4101-B1D14	1.14mm	903
4101-B1D15	1.15mm	903
4101-B1D16	1.16mm	903
4101-B1D17	1.17mm	903
4101-B1D18	1.18mm	903
4101-B1D19	1.19mm	903

Grade 1

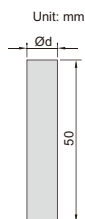| Code	Size	Price(₹)
4101-B1D2	1.2mm	903
4101-B1D21	1.21mm	903
4101-B1D22	1.22mm	903
4101-B1D23	1.23mm	903
4101-B1D24	1.24mm	903
4101-B1D25	1.25mm	903
4101-B1D26	1.26mm	903
4101-B1D27	1.27mm	903
4101-B1D28	1.28mm	903
4101-B1D29	1.29mm	903
4101-B1D3	1.3mm	903
4101-B1D31	1.31mm	903
4101-B1D32	1.32mm	903
4101-B1D33	1.33mm	903
4101-B1D34	1.34mm	903
4101-B1D35	1.35mm	903
4101-B1D36	1.36mm	903
4101-B1D37	1.37mm	903
4101-B1D38	1.38mm	903
4101-B1D39	1.39mm	903
4101-B1D4	1.4mm	903
4101-B1D41	1.41mm	903
4101-B1D42	1.42mm	903
4101-B1D43	1.43mm	903
4101-B1D44	1.44mm	903
4101-B1D45	1.45mm	903
4101-B1D46	1.46mm	903
4101-B1D47	1.47mm	903
4101-B1D48	1.48mm	903
4101-B1D49	1.49mm	903

Grade 1

Code	Size	Price(₹)
4101-B1D5	1.5mm	903
4101-B1D6	1.6mm	903
4101-B1D7	1.7mm	903
4101-B1D8	1.8mm	903
4101-B1D9	1.9mm	903
4101-B2	2mm	769
4101-B2D5	2.5mm	903
4101-B3	3mm	769
4101-B3D5	3.5mm	903
4101-B4	4mm	769
4101-B4D5	4.5mm	903
4101-B5	5mm	769
4101-B5D5	5.5mm	903
4101-B6	6mm	787
4101-B6D5	6.5mm	925
4101-B7	7mm	787
4101-B7D5	7.5mm	925
4101-B8	8mm	787
4101-B8D5	8.5mm	925
4101-B9	9mm	787
4101-B9D5	9.5mm	925
4101-B10	10mm	859
4101-B11	11mm	1008
4101-B12	12mm	1008
4101-B13	13mm	1008
4101-B14	14mm	1008
4101-B15	15mm	859
4101-B16	16mm	1008
4101-B17	17mm	1008
4101-B18	18mm	1008

Grade 1

Code	Size	Price(₹)
4101-B19	19mm	1008
4101-B20	20mm	859
4101-B21	21mm	1008
4101-B22	22mm	1008
4101-B23	23mm	1008
4101-B24	24mm	1008
4101-B25	25mm	859
4101-B30	30mm	1495
4101-B35	35mm	2582
4101-B40	40mm	1495
4101-B41D3	41.3mm	1756
4101-B45	45mm	2841
4101-B50	50mm	1495
4101-B60	60mm	1851
4101-B70	70mm	1851
4101-B75	75mm	1851
4101-B80	80mm	2029
4101-B90	90mm	2207
4101-B100	100mm	2385
4101-B125	125mm	4219
4101-B131D4	131.4mm	6958
4101-B150	150mm	5926

Grade 2

Code	Size	Price(₹)
4101-C175	175mm	5393
4101-C200	200mm	6684
4101-C250	250mm	7467
4101-C300	300mm	9032
4101-C400	400mm	11725
4101-C500	500mm	13682

Sizes available up to 1000mm

PIN GAGE SET

4166-6D

- Made of alloy steel
- Hardness HRC62-65
- Diameter accuracy: ±1µm

Unit: mm

Ød
50

Code	Diameter Ød(mm)	Step	Pin gages per set	Price(₹)
4166-0D	0.20, 0.21, 0.22, ···· 0.50	0.01mm	31	10181
4166-1	0.50, 0.51, 0.52, ···· 1.00	0.01mm	51	15802
4166-1D	1.00, 1.01, 1.02, ···· 1.50	0.01mm	51	15802
4166-2	1.50, 1.51, 1.52, ···· 2.00	0.01mm	51	15802
4166-2D	2.00, 2.01, 2.02, ···· 2.50	0.01mm	51	15802
4166-3	2.50, 2.51, 2.52, ···· 3.00	0.01mm	51	15802
4166-3D	3.00, 3.01, 3.02, ···· 3.50	0.01mm	51	15802
4166-4	3.50, 3.51, 3.52, ···· 4.00	0.01mm	51	15802
4166-4D	4.00, 4.01, 4.02, ···· 4.50	0.01mm	51	15802
4166-5	4.50, 4.51, 4.52, ···· 5.00	0.01mm	51	15802
4166-5D	5.00, 5.01, 5.02, ···· 5.50	0.01mm	51	15802
4166-6	5.50, 5.51, 5.52, ···· 6.00	0.01mm	51	15802
4166-6D	6.00, 6.01, 6.02, ···· 6.50	0.01mm	51	15802
4166-7	6.50, 6.51, 6.52, ···· 7.00	0.01mm	51	15802
4166-7D	7.00, 7.01, 7.02, ···· 7.50	0.01mm	51	15802
4166-8	7.50, 7.51, 7.52, ···· 8.00	0.01mm	51	15802
4166-8D	8.00, 8.01, 8.02, ···· 8.50	0.01mm	51	15802
4166-9	8.50, 8.51, 8.52, ···· 9.00	0.01mm	51	15820
4166-9D	9.00, 9.01, 9.02, ···· 9.50	0.01mm	51	16726
4166-10	9.50, 9.51, 9.52, ···· 10.00	0.01mm	51	16781

PLAIN PLUG GAGE

4124-12

- Supplied with Go and No-Go gages together
- Class H7
- Hardness HRC 60±2
- Standard DIN7150-2

Type A

Type B

CUSTOM-MADE
OTHER CLASSES ARE AVAILABLE, SUCH AS H8, H9
OTHER DIAMETERS ARE AVAILABLE, SUCH AS 19.003mm
OTHER LENGTHS ARE AVAILABLE, SUCH AS 70mm

Size tolerance of H7

Diameter Ød (mm)		Size tolerance of Go gage (mm)	Size tolerance of No-Go gage (mm)
≥2	≤3	+0.0005 / +0.0025	+0.009 / +0.011
>3	≤6	+0.00075 / +0.00325	+0.01075 / +0.01325
>6,	≤10	+0.00075 / +0.00325	+0.01375 / +0.01625
>10,	≤18	+0.001 / +0.004	+0.0165 / +0.0195
>18,	≤30	+0.001 / +0.005	+0.019 / +0.023
>30,	≤50	+0.0015 / +0.0055	+0.023 / +0.027
>50,	≤80	+0.0015 / +0.0065	+0.0275 / +0.0325
>80,	≤100	+0.002 / +0.008	+0.032 / +0.038

Code	Diameter Ød (mm)	Type	Price (₹)	Code	Diameter Ød (mm)	Type	Price (₹)	Code	Diameter Ød (mm)	Type	Price (₹)	Code	Diameter Ød (mm)	Type	Price (₹)
4124-2	2	A	1247	4124-17	17	A	1375	4124-32	32	A	2307	4124-47	47	A	3742
4124-3	3	A	1247	4124-18	18	A	1435	4124-33	33	A	2289	4124-48	48	A	3742
4124-4	4	A	1314	4124-19	19	A	1674	4124-34	34	A	2289	4124-49	49	A	3742
4124-5	5	A	1314	4124-20	20	A	1687	4124-35	35	A	2350	4124-50	50	A	3772
4124-6	6	A	1490	4124-21	21	A	1674	4124-36	36	A	2332	4124-52	52	B	5382
4124-7	7	A	1125	4124-22	22	A	1674	4124-37	37	A	2332	4124-55	55	B	5382
4124-8	8	A	1135	4124-23	23	A	1674	4124-38	38	A	2332	4124-60	60	B	5382
4124-9	9	A	1125	4124-24	24	A	1687	4124-39	39	A	3068	4124-65	65	B	7094
4124-10	10	A	1166	4124-25	25	A	2011	4124-40	40	A	3093	4124-70	70	B	7386
4124-11	11	A	1157	4124-26	26	A	2011	4124-41	41	A	3068	4124-75	75	B	8263
4124-12	12	A	1166	4124-27	27	A	2027	4124-42	42	A	3093	4124-80	80	B	8263
4124-13	13	A	1157	4124-28	28	A	2011	4124-43	43	A	3068	4124-85	85	B	9111
4124-14	14	A	1166	4124-29	29	A	2011	4124-44	44	A	3068	4124-90	90	B	9111
4124-15	15	A	1386	4124-30	30	A	2027	4124-45	45	A	3772	4124-95	95	B	9725
4124-16	16	A	1375	4124-31	31	A	2289	4124-46	46	A	3742	4124-100	100	B	9725

DIGITAL PROTRACTOR

2171-250

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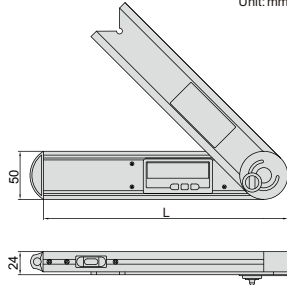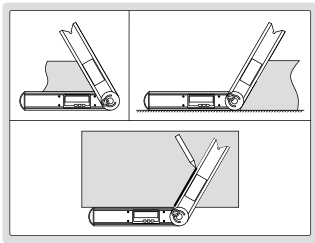
- Buttons: ON/OFF, HOLD (keep the reading), ZERO, ABS (absolute and incremental measurement)
- Fix the locking screw at 4 positions for different measuring ranges: 0°~225°, -225°~0°, -45°~180°, -180°~45°
- Remove the locking screw for 360° range
- With level vial
- Battery CR2032
- Automatic power off

Code	Size (L)	Range	Resolution	Accuracy	Price(₹)
2171-250	250mm	0 - 360°	0.05°	±0.15°	4333

PROTRACTOR

4780-85

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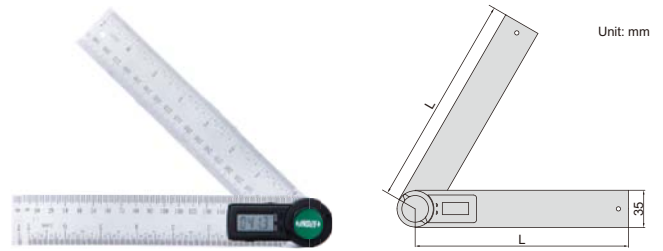
- Made of stainless steel
- Satin chrome plated scale
- With clamping screw

Code	Size	Range	Graduation	Accuracy	Price(₹)
4780-85	85x150mm	0 - 180°	1°	±0.3°	697

PROTRACTOR

4781-85

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

4 working edges
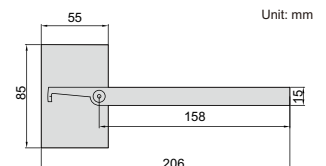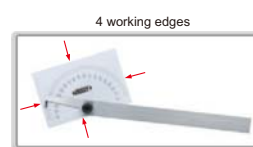
Unit: mm

Code	Size	Range	Graduation	Accuracy	Price(₹)
4781-85	85x158mm	0 - 180°	1°	±0.3°	850

DIGITAL PROTRACTOR

2176-200

Unit: mm

- Buttons: ON/OFF, ZERO
- With clamping screw to lock the blades
- Graduation of blade: 1mm and 1/32"
- CR2032 battery
- Automatic power off

Code	Size (L)	Range	Resolution	Accuracy	Price(₹)
2176-200	200mm	0 - 360°	0.1°	±0.3°	2168
2176-300	300mm	0 - 360°	0.1°	±0.3°	2492

PROTRACTOR

4799-180

- Graduation: 1°
- Made of stainless steel (**4799-1300** is made of carbon steel)
- Satin chrome plated scale
- With clamping screw

(mm)

Code	Size (AxB)	Range	Accuracy	L	C	Price(₹)
4799-180	80x120mm	0 - 180°	±0.3°	168	11	1306
4799-1120	120x150mm	0 - 180°	±0.3°	220	14	1438
4799-1150	150x200mm	0 - 180°	±0.3°	285	16	1931
4799-1200	200x300mm	0 - 180°	±0.3°	413	20	2478

Sizes available up to 300x500mm

PROTRACTOR

2374-320

Unit: mm

14
124
14
150
45°

- Made of stainless steel
- Satin chrome plated scale

α=0~50°
α=50°~140°
α=140°~230°
α=230°~320°

Code	Range	Graduation	Accuracy	Price(₹)
2374-320	0 - 320°	2'	±2'	5061

DIGITAL PROTRACTOR

DATA OUTPUT

150mm blade (included)

square (included)

2172-360A

Unit: mm

300
Ø70
18
15.6
80
fine adjustment
16
150
60°
45°

- 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	Range	Graduation	Accuracy	Price(₹)
2172-360A	0 - 360°	10"/0.005°	±5'	21952

STRAIGHT EDGE

4700-100

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

W
H
L

Code	Size (L)	Straightness	W	H	Price(₹)
4700-100	100mm	2.4µm	5mm	25mm	1395
4700-150	150mm	2.6µm	6mm	30mm	2062
4700-200	200mm	2.8µm	6mm	30mm	2421
4700-300	300mm	3.2µm	8mm	40mm	4605

Sizes available up to 500mm

UNIVERSAL PROTRACTOR

Unit: mm

150mm blade (included)

45°
300
Ø70
18
90°
16
85
fine adjustment
60°
16
150
45°
60°

2372-360

clamp for height gages

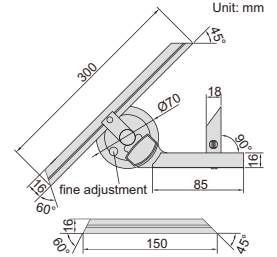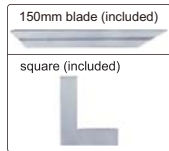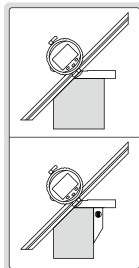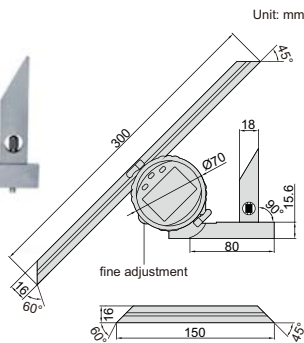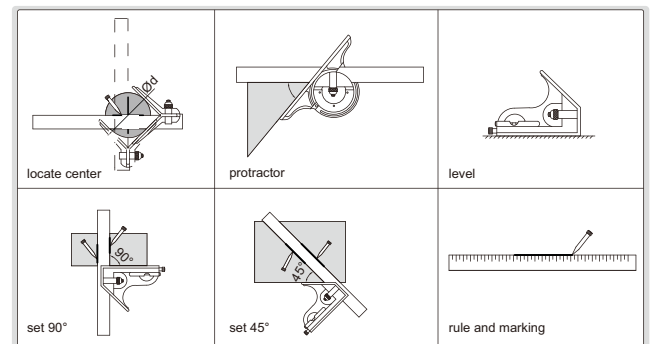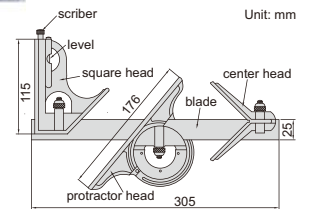**2372-CLAMP**

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

Code	Range	Graduation	Accuracy	Price(₹)
2372-360	0 - 360°	5'	±5'	4994

COMBINATION SQUARE SET

2278-180

scriber
level
square head
center head
blade
115
176
25
protractor head
305

Unit: mm

locate center
protractor
level

set 90°
set 45°
rule and marking

- Center head:
  To locate center of cylinder with diameter (Ød): 30-100mm
  Accuracy: ±0.15mm
- Protractor head:
  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:
  To set the blade at 90° or 45° to an edge of a workpiece
  Accuracy: ±8min for 90° square, ±10min for 45° square
- Blade:
  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	Price(₹)
2278-180	6210

GRANITE SQUARE

4141-250

(mm)

Code	Size (HxW)	Flatness of A	Flatness of B	Squareness of A to B	D	Price(₹)
4141-250	250x160mm	1µm	1µm	2µm	25	16730
4141-400	400x250mm	1.5µm	1µm	3µm	40	23513
4141-630	630x400mm	2µm	1.5µm	4µm	63	50799

PERPENDICULARITY TESTER

Unit: mm

dial test indicator is not included

4770-300
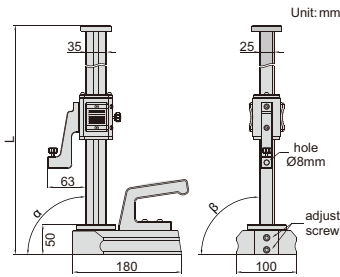
■ Optional accessory:
dial test indicators (graduation: 1µm or 2µm),
cylinder square (code **4710**, for calibration),
granite square (code **4141**, for calibration)

(mm)

Code	Range(H)	Perpendicularity (α)	Side perpendicularity(β)	L	Price (₹)
4770-300	0-300mm	3µm	10µm	460	168857
4770-600	0-600mm	5µm	20µm	760	345983

90° BEVELED EDGE SQUARE

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

4790-0100

MAGNALIUM STRAIGHT EDGE

4180-500
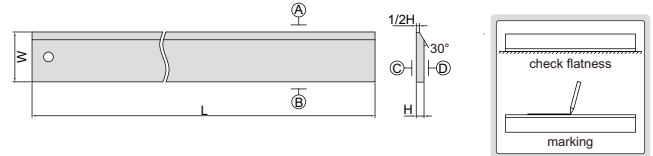
■ Made of magnalium, light weight, non-deform, no rusty

top
bottom

(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	15353
4180-1000	1000mm	5µm	8µm	60	30	5	32206
4180-1500	1500mm	15µm	22µm	100	40	5	44043
4180-2000	2000mm	18µm	27µm	100	40	8	59027

PRECISION STRAIGHT EDGE WITH BEVELED EDGE

7118-300

check flatness

marking

■ Check flatness, straightness and for marking
■ Made of tool steel
■ Hardness HRC58

(mm)

Code	Range (L)	Straightness and parallelism of A and B	Straightness and parallelism of C and D	W	H	Price (₹)
7118-300	305	0.005	0.05	41	6.5	7514
7118-600	610	0.006	0.06	51	8	25877
7118-900	914	0.007	0.06	64	10	51503

(mm)

Code	Size (LxW)	Squareness		C	D	H	Price(₹)
		Inside (α)	Outside (β)				
4790-050	50x40mm	2.4µm	2.5µm	13	13	4	1910
4790-075	75x50mm	2.6µm	2.8µm	15	15	4	2178
4790-0100	100x70mm	2.8µm	3.0µm	20	20	5	2430
4790-0150	150x100mm	3.2µm	3.5µm	30	30	6	4160
4790-0200	200x130mm	3.7µm	4.0µm	34	34	7	5301
4790-0300	300x200mm	4.6µm	5.0µm	40	40	8	9932

MACHINIST SQUARE WITH WIDE BASE
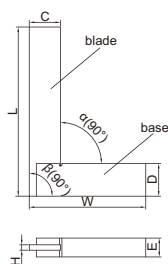
- Economic model
- DIN875 grade 2
- Made of carbon steel, no anti-rust treatment, not hardened

(mm)

| Code	Size (LxW)	Squareness		C	D	H	E	Price(₹)
		Inside (α)	Outside (β)					
4707-100	100x70mm	28µm	30µm	19	19	3	12	**833**
4707-150	150x100mm	33µm	35µm	25	25	3	16	**1141**
4707-200	200x130mm	37µm	40µm	30	32	4	16	**1296**
4707-300	300x200mm	47µm	50µm	32	32	4	19	**2706**

Sizes available up to 1000x550mm

4707-100

FEELER GAGE

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

Unit: mm

4602-20
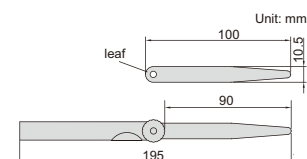
Code	Range	Thickness of leaves included (mm)	Quantity of leaves	Price(₹)
4602-17	0.02-1.00mm	0.02, 0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.75, 1.00	17	**325**
4602-20	0.05-1.00mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00	20	**351**
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	**498**

FEELER GAGE

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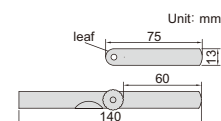- Accuracy: ±(3+T/80) µm, 'T' is the thickness of leaves in µm

Unit: mm

4601-25

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	**329**

LONG FEELER GAGE

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

Unit: mm

4605-20

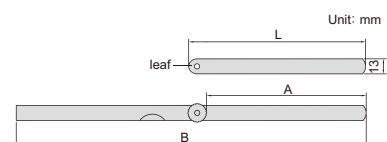**(mm)**

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	**623**
4605-201	0.05-1.00mm		20	200	185	395	**663**
4605-202	0.05-1.00mm		20	300	285	590	**1076**

FEELER GAGE STOCK

4622-10

10pcs/set
4622-10

300

Unit: mm

13

- Used as shims to accurately set spacing
- Made of hardened alloy steel
- Length 300mm
- Width 13mm
- 10pcs/set
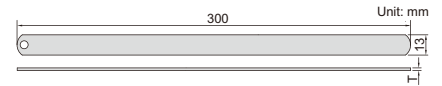
Code	Thickness (T)	Accuracy	Price(₹)
4622-02	0.02mm	±3µm	1174*
4622-03	0.03mm	±3µm	1082*
4622-04	0.04mm	±3µm	942*
4622-05	0.05mm	±3µm	715*
4622-06	0.06mm	±3µm	715*
4622-07	0.07mm	±4µm	715*
4622-08	0.08mm	±4µm	715*
4622-09	0.09mm	±4µm	715*
4622-10	0.10mm	±4µm	715*
4622-12	0.12mm	±5µm	1407*

Code	Thickness (T)	Accuracy	Price(₹)
4622-15	0.15mm	±5µm	855*
4622-18	0.18mm	±6µm	1416*
4622-20	0.20mm	±6µm	855*
4622-25	0.25mm	±6µm	855*
4622-30	0.30mm	±7µm	855*
4622-35	0.35mm	±7µm	942*
4622-40	0.40mm	±8µm	942*
4622-45	0.45mm	±8µm	942*
4622-50	0.50mm	±9µm	942*
4622-55	0.55mm	±9µm	1057*

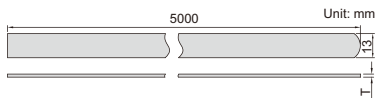| Code	Thickness (T)	Accuracy	Price(₹)
4622-60	0.60mm	±9µm	1057*
4622-65	0.65mm	±9µm	1057*
4622-70	0.70mm	±12µm	1057*
4622-75	0.75mm	±12µm	1148*
4622-80	0.80mm	±13µm	1148*
4622-85	0.85mm	±13µm	1148*
4622-90	0.90mm	±14µm	1148*
4622-95	0.95mm	±14µm	1148*
4622-100	1.00mm	±16µm	1148*

*Price for 10pcs

FEELER GAGE ROLL

4621-30

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

5000

Unit: mm

13

Code	Thickness (T)	Accuracy	Price(₹)
4621-02	0.02mm	±4µm	758
4621-03	0.03mm	±4µm	599
4621-04	0.04mm	±4µm	599
4621-05	0.05mm	±4µm	439
4621-06	0.06mm	±4µm	439
4621-07	0.07mm	±5µm	439
4621-08	0.08mm	±5µm	439
4621-09	0.09mm	±5µm	439
4621-10	0.10mm	±5µm	439
4621-12	0.12mm	±5µm	518
4621-15	0.15mm	±6µm	439
4621-18	0.18mm	±7µm	518
4621-20	0.20mm	±8µm	439
4621-25	0.25mm	±9µm	478
4621-30	0.30mm	±9µm	478

Code	Thickness (T)	Accuracy	Price(₹)
4621-35	0.35mm	±11µm	730
4621-40	0.40mm	±12µm	770
4621-45	0.45mm	±12µm	770
4621-50	0.50mm	±14µm	770
4621-55	0.55mm	±14µm	849
4621-60	0.60mm	±14µm	849
4621-65	0.65mm	±14µm	849
4621-70	0.70mm	±17µm	849
4621-75	0.75mm	±17µm	889
4621-80	0.80mm	±19µm	889
4621-85	0.85mm	±19µm	889
4621-90	0.90mm	±22µm	889
4621-95	0.95mm	±22µm	889
4621-100	1.00mm	±24µm	889

PITCH GAGE

- Check the pitch of screw thread
- Accuracy: ±0.07mm

4820-124
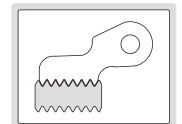
Metric 60° screw

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	461

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	551

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	671
	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		

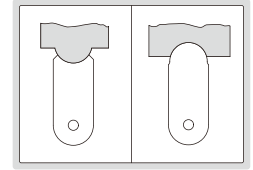**Metric 60° and Unified 60° screw**

| 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	671
	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 GAGE

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	732
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	728
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	739

CENTER GAGE

4810-602

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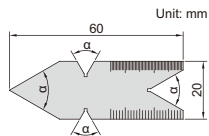
- To check and set screw cutting tools, and check the angle and pitch of screw thread
- Angle accuracy: ±30min.

machine tools
workpiece
pitch

check the angle of screw cutting tools | check the angle of screw thread | set the position of screw cutting tools | check the screw thread pitch
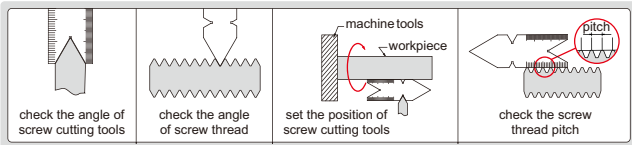
Code	Thread type	Angle (α)	Graduation	Price (₹)
4810-601	METRIC 60°	60°	0.5mm and 1mm	256
4810-602	UNIFIED 60°	60°	14ths and 20ths on front side, 24ths and 32ths on back side	295
4810-55	WHITWORTH 55°	55°	14ths and 20ths on front side, 24ths and 32ths on back side	257

THREAD GAGE

4812-E

Unit: mm

30°
35
70
4812-12

29°
42
86
4812-E

- To check and set screw cutting tools
- Angle accuracy: ±10min.

machine tools
workpiece

check the angle of screw cutting tools | check the width of screw cutting tools | set the position of screw cutting tools

Code	Range	Thread type	Pitch	Price(₹)
4812-12	2-12mm	Tr 30°	2, 3, 4, 5, 6, 7, 8, 9, 10, 12mm	940
4812-E	1-10TPI	ACME 29°	1, 1-1/3, 1-1/2, 1-3/4, 2, 2-1/2, 3, 4, 5, 6, 7, 8, 9, 10TPI	931

RADIUS GAGE SET
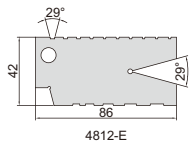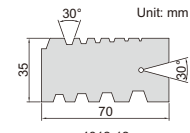
3 concave and 2 convex gaging surfaces

use of handle

- Accuracy: ±0.05mm
- Each piece has 3 concave and 2 convex gaging surfaces
- Supplied with handle

4804-26

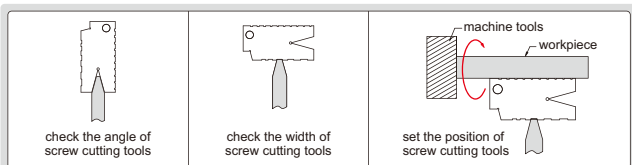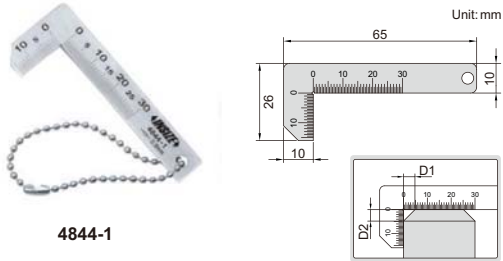| Code	Range	Radius of leaves included (mm)	Quantity of leaves	Price (₹)
4804-26	0.5-13mm	0.5, 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13	26	2375

ANGLE GAGE

marking
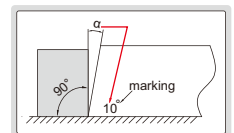
4806-20

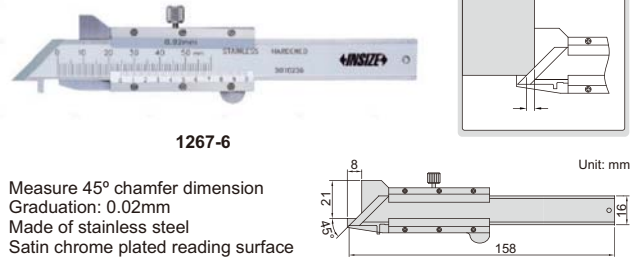| Code	Range	Angle of leaves included	Quantity of leaves	Accuracy	Price (₹)
4806-20	1°-45°	1°, 2°, 3°, 4°, 5°, 6°, 7°, 8°, 9°, 10°, 12°, 14°, 16°, 18°, 20°, 25°, 30°, 35°, 40°, 45°	20	±30'	1931

CHAMFER GAGE

Unit: mm

4844-1

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

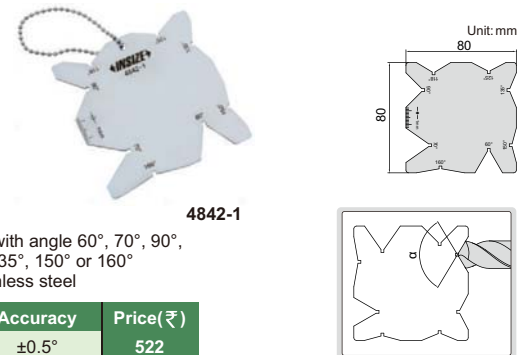| Code	Graduation	Accuracy	Price(₹)
4844-1	0.5mm	±0.25mm	423

DRILL POINT GAGE

Unit: mm

4843-1

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

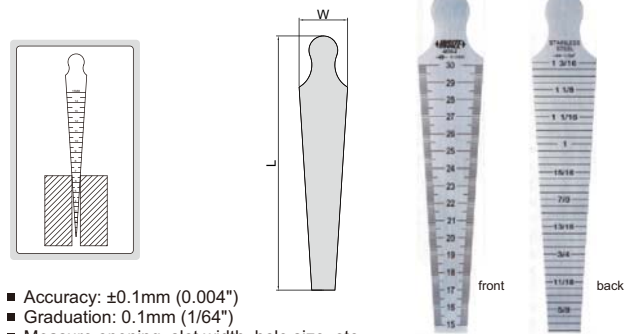| Code	Accuracy		Price(₹)
	Angle	Length	
4843-1	±0.5°	±0.05mm	411

TAPER GAGE SET

Unit: mm

4837-1

- Include 4pcs (1-8mm, 8-15mm, 15-22mm, 22-29mm)
- Measure opening, slot width, hole size, etc.
- Made of stainless steel

Code	Range	Graduation	Accuracy	Price(₹)
4837-1	1 - 29mm	0.05mm	±0.05mm	2495

TAPER GAGE

4630-1

reading reading

side view front view

CHAMFER GAGE

measure 45°
chamfer dimension

1267-6

- Measure 45° chamfer dimension
- Graduation: 0.02mm
- Made of stainless steel
- Satin chrome plated reading surface

Unit: mm

Code	Range	Accuracy	Price(₹)
1267-6	0-6mm	±0.06mm	5800

DRILL ANGLE GAGE

Unit: mm

4842-1

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

Code	Accuracy	Price(₹)
4842-1	±0.5°	522

TAPER GAGE

- Accuracy: ±0.1mm (0.004")
- Graduation: 0.1mm (1/64")
- Measure opening, slot width, hole size, etc.
- Made of stainless steel

front back

4833-2

| Code	Range	L	W	Price(₹)
4833-1	0.8-15mm (1/32"–5/8")	146mm	17mm	675
4833-2	15-30mm (5/8"–1-3/16")	159mm	30.4mm	736
4833-3	30-45mm (1-3/16"–1-3/4")	166mm	45.4mm	940
4833-4	45-60mm (1-13/16"–2-3/8")	170mm	60.5mm	1144

- For quick measurement of gap width
- Stain chrome plated reading surface
- Made of stainless steel

(mm)

Code	Range	Graduation	Accuracy	L	a	b	Price(₹)
4630-3	0.4 - 6mm	0.05mm	±0.04mm	164	12.5	6.5	2763
4630-1	0.5 - 10mm	0.05mm	±0.07mm	220	10	10.5	1974
4630-2	0.5 - 15mm	0.1mm	±0.08mm	184	12.5	16.5	3215
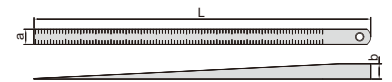
WELDING GAGE

- Made of stainless steel
- Stain chrome plated reading surface

4830

Unit: mm

crown height | fillet weld throat size
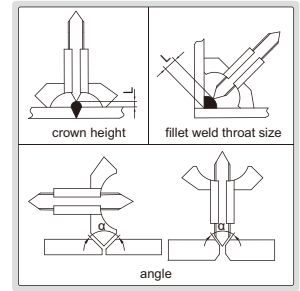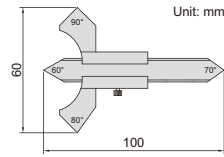
angle

Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4830	crown height	0-8mm	0.1mm	±0.1mm	**1375**
	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

crown height | fillet weld throat size
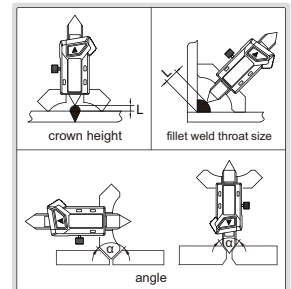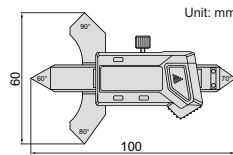
angle

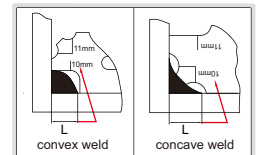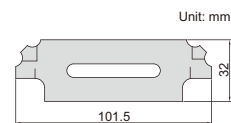| Code	Measurement	Range	Resolution	Accuracy	Price(₹)
4831-20A	crown height	0-7mm	0.01mm/0.0005"	±0.03mm	**5337**
	fillet weld throat size	0-20mm	0.01mm/0.0005"	±0.1mm	
	angle	60°, 70°, 80°, 90°	—	±1°	

FILLET WELDING GAGE

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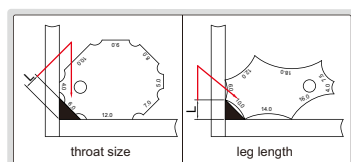- 7 blades are included
- Made of stainless steel

4836-1   **4836-2**

Unit: mm

convex weld | concave weld

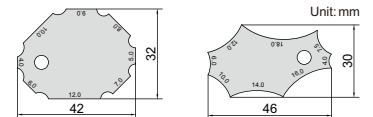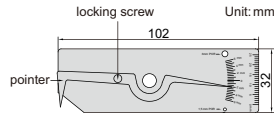| Code	Size	Accuracy	Price(₹)
4836-1	3mm, 4mm, 5mm, 6mm, 8mm, 9mm, 10mm, 11mm, 12mm, 14mm, 16mm, 19mm, 22mm, 25mm	±0.5mm	**1575**
4836-2	1/8" (3.2mm), 3/16" (4.8mm), 1/4" (6.4mm), 5/16" (7.9mm), 3/8" (9.5mm), 7/16" (11.1mm), 1/2" (12.7mm), 5/8" (15.9mm), 3/4" (19.1mm), 7/8" (22.2mm), 1" (25.4mm)	±0.02" (0.5mm)	**1717**

FILLET WELDING GAGE

4832-1

throat size | leg length

- Made of stainless steel
- Sizes marked on both faces

Unit: mm

Code	Throat size (mm)	Leg length (mm)	Accuracy	Price(₹)
4832-1	4, 5, 6, 7, 8, 9, 10, 12	4, 6, 7.5, 10, 12, 14, 16, 18	±0.5mm	**666**

WELDING GAGE

4834-1

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

locking screw   Unit: mm

102

pointer   32

Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4834-1	undercut depth	0-6mm	0.5mm	±0.5mm	1383
	crown height	0-6mm	0.5mm	±0.5mm	
	porosity size comparison	1.5mm, 3mm	—	±0.2mm	
	amount of porosity per 25mm	25mm	1mm	—	

undercut depth | crown height

porosity size comparison | amount of porosity per 25mm
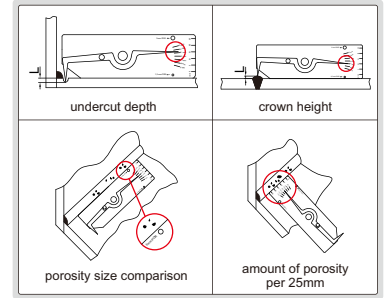
WELDING GAGE

front   back

4838-1

- Made of stainless steel

Unit: mm

62   77
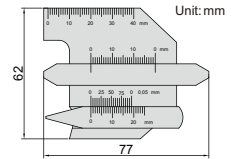
Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4838-1	crown height	0-10mm	1mm	±0.5mm	2170
	leg height	0-14mm	1mm	±0.5mm	
	undercut depth	0-5mm	0.05mm	±0.05mm	
	throat size	0-13mm	1mm	±0.5mm	
	weld length	0-40mm	1mm	±1mm	
	angle	90°-150°	5°	±1°	
	gap	0.5-5mm	1mm	±0.5mm	
	length	0-40mm	1mm	±0.5mm	

crown height | leg height | undercut depth | throat size

weld length | angle | gap | length
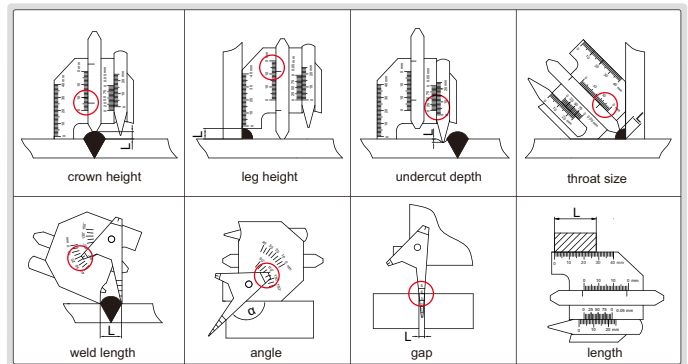
WELDING GAGE

front   back
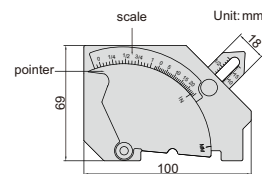
4835-1

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

scale   Unit: mm

pointer   69   18   100

Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4835-1	crown height	0-25mm (0-1")	1mm (1/16")	±0.5mm	2185
	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°	

crown height | fillet weld leg height

fillet weld throat size | angle of preparation

misalignment (high-low) | undercut depth

length | 45° angle
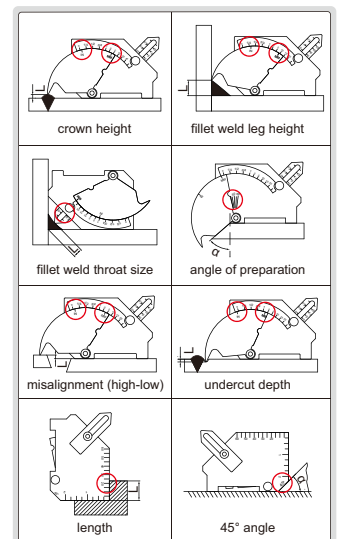
PIPE WELDING GAGE

■ Made of stainless steel

Unit: mm

front **4839-1** back
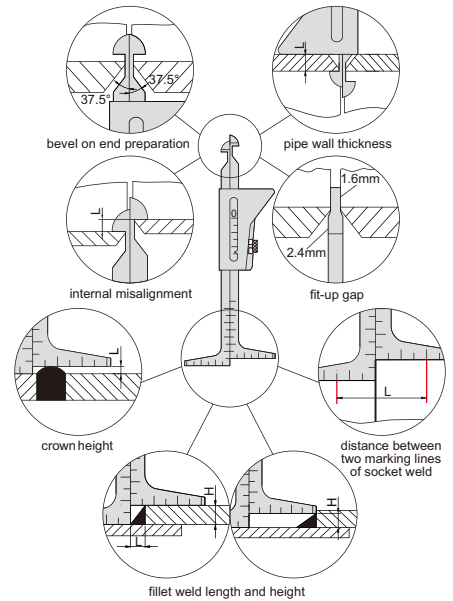
Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4839-1	bevel on end preparation	37.5°	—	±1°	3145
	pipe wall thickness	0-45mm (0-1-3/4")	1mm (1/16")	±0.5mm	
	internal misalignment	0-35mm (0-1-3/8")	1mm (1/32")	±0.5mm	
	fit-up gap	1.6mm, 2.4mm	—	±0.1mm	
	crown height	0-35mm (0-1-3/8")	1mm (1/32")	±0.5mm	
	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	

37.5° bevel on end preparation

pipe wall thickness

internal misalignment

fit-up gap

crown height

distance between two marking lines of socket weld

fillet weld length and height

PIPE WELDING GAGE

fit-up gap

internal misalignment

Unit: mm
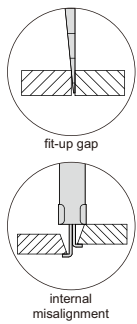
■ Made of stainless steel **4841-1**
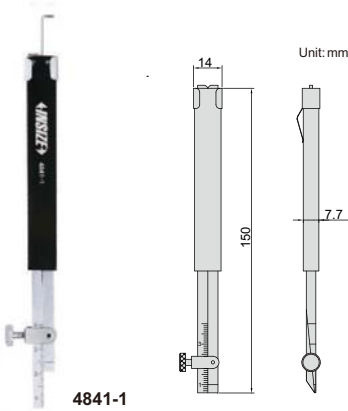
Code	Measurement	Range	Graduation	Accuracy	Price(₹)
4841-1	internal misalignment	0-30mm	1mm	±0.5mm	3200
	fit-up gap	0.7-4mm	0.1mm	±0.1mm	

INSIDE SPRING CALIPER

tips

■ Made of carbon steel **7261-150**

Unit: mm
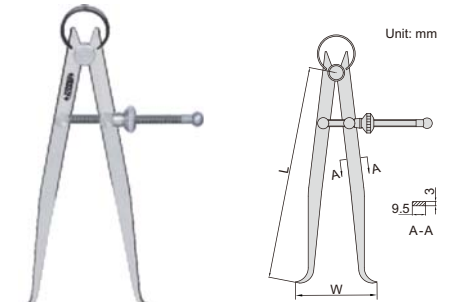
Code	Size(L)	Range(W)	Price(₹)
7261-150	150mm	20-170mm	605
7261-200	200mm	22-220mm	690
7261-250	245mm	30-270mm	932
7261-300	300mm	30-320mm	1044

step 1 step 2
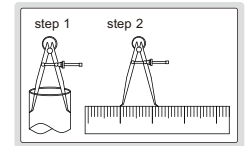
OUTSIDE SPRING CALIPER

tips

■ Made of carbon steel **7262-150**

Unit: mm
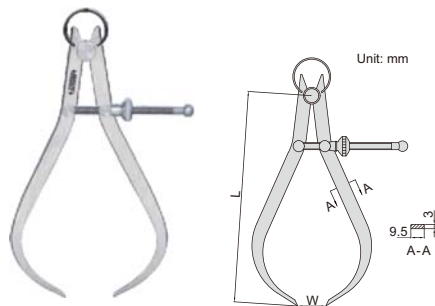
Code	Size(L)	Range(W)	Price(₹)
7262-150	155mm	0-140mm	605
7262-200	210mm	0-210mm	690
7262-250	265mm	0-270mm	987
7262-300	310mm	0-320mm	1125

step 1 step 2

SPRING DIVIDER

step 1

step 2

7260-150

Unit: mm
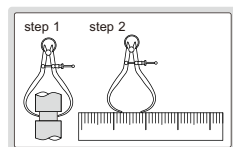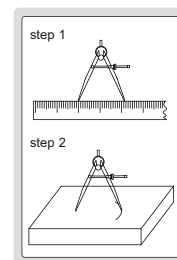
■ Made of carbon steel
■ Hardened points
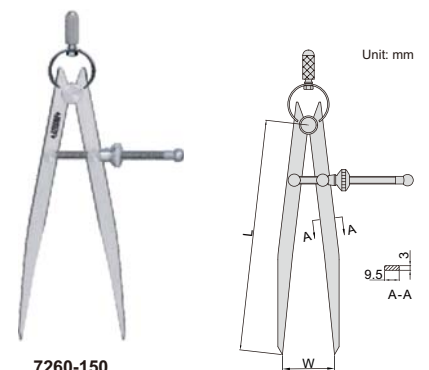
Code	Size(L)	Range(W)	Price(₹)
7260-150	150mm	0-150mm	605
7260-200	200mm	0-210mm	690
7260-250	245mm	0-260mm	932
7260-300	300mm	0-320mm	1044

DIVIDER
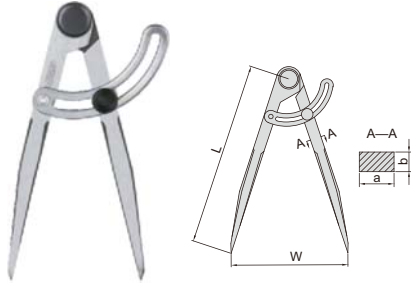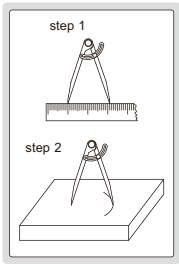
7247-150

- Made of carbon steel
- Hardened points

(mm)

Code	Size(L)	Range(W)	a	b	Price(₹)
7247-150	150mm	0-140mm	8.5	7	398
7247-200	200mm	0-190mm	10	7	471
7247-300	300mm	0-290mm	12	7	688

T-SHAPE MARKING GAGE

1275-150A

Unit: mm

- Made of stainless steel
- Satin chrome plated reading surface

Code	Range	Graduation	Accuracy	Price(₹)
1275-150A	0-150mm	0.05mm	±0.05mm	6817

SCRIBER

7230
7231
7232

- Nickel plated

Unit: mm

Code	Tip	Price(₹)
7230	hardened tips	227
7231	hardened tip	227
7232	carbide tip	247
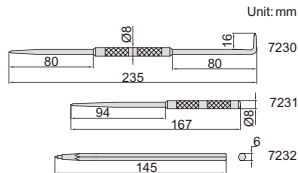
SCRIBER CALIPER

7202-200A

The position of scriber tip can be adjusted
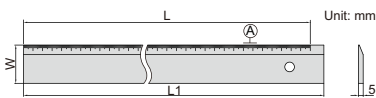
Unit: mm

- Graduation: 0.1mm, 1/128"
- Made of stainless steel
- Satin chrome plated reading surface
- Carbide scriber tip

Code	Range	Accuracy	Price(₹)
7202-200A	0-200mm/0-8"	±0.1mm	3128

STRAIGHT EDGE

7111-300A

Unit: mm

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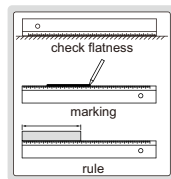
- Check flatness and straightness, as well as for marking
- Graduation on the beveled edge
- Made of hardened tool steel
- Chrome plated

Code	Range(L)	Straightness of A	L1	W	Price(₹)
7111-300A	300mm	0.02mm	320mm	40mm	2844
7111-1000A	1000mm	0.04mm	1020mm	50mm	9606

HEIGHT SCRIBER

Unit: mm

fine adjustment

push
surface plate
pin

6990-300A

Code	Price(₹)
6990-300A	2247

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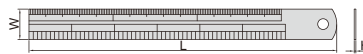- Two pins to be set against the edge of surface plate
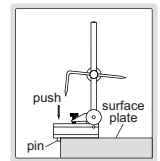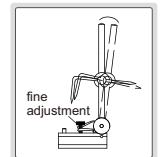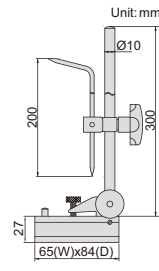
STEEL RULE

ATTENTION: BASIC MODEL

7110-300

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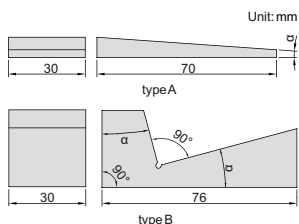- Made of stainless steel
- Non-glare surface

(mm)

Code	Range	Accuracy	L	W	H	Remark	Price(₹)
7110-150	150mm/6"	±0.08mm	170	18	1.0	graduation on front and back	80
7110-200	200mm/8"	±0.08mm	220	18	1.0	graduation on front and back	91
7110-300	300mm/12"	±0.11mm	330	25	1.0	graduation on front and back	141
7110-500	500mm/20"	±0.14mm	530	30	1.2	graduation on front and back	293
7110-600	600mm/24"	±0.15mm	630	30	1.2	graduation on front and back	330
7110-1000	1000mm/40"	±0.20mm	1040	32	1.5	graduation on front and back	657
7110-1500	1500mm/60"	±0.35mm	1550	38	1.8	graduation on front	1676

Sizes available up to 2000mm

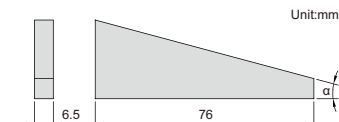## UNIVERSAL ANGLE PLATE SET

4004-9

Unit: mm

type A

type B

- Accuracy: ±9"
- For angle set-up in tooling, production and inspection
- Hardness HRC55

Code	Angle plates included	Angle α	Type	Price(₹)
4004-9	9	1/2°, 1°, 2°, 3°, 4°, 5°	type A	13103
		10°, 15°, 30°	type B	

PRECISION VISE

6525-76

- Parallelism: 4μm/100mm
- Squareness: 6μm/100mm
- Made of SK2 tool steel
- Hardness HRC52-58

(mm)

Code	Jaw opening (Q)	Jaw width (W)	L	H	M	Price(₹)
6525-73	0-73mm	63mm	176	63	30	29103
6525-76	0-76mm	73mm	190	73	35	34487
6525-120	0-120mm	98mm	255	82	40	51348

EDGE FINDER

6562-3 **6562-4**

Unit: mm

6562-3

6562-4

- Hardened shank and contact point

Code	Shank(A)	Contact point (B)	Contact point (C)	Accuracy	Price(₹)
6562-3	Ø10mm	Ø10mm	—	5μm	1737
6562-4	Ø10mm	Ø10mm	Ø4mm	5μm	1782

ANGLE PLATE SET

4003-12

Unit:mm

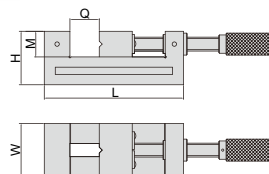- Accuracy: ±9"
- For angle set-up in tooling, production and inspection
- Hardness HRC55

Code	Angle plates included	Angle α	Price(₹)
4003-10	10	1°, 2°, 3°, 4°, 5°, 10°, 15°, 20°, 25°, 30°	8810
4003-12	12	1/4°, 1/2°, 1°, 2°, 3°, 4°, 5°, 10°, 15°, 20°, 25°, 30°	10324

PRECISION VISE

6526-80

- Parallelism: 3μm/100mm
- Squareness: 5μm/100mm
- Made of SK2 tool steel
- Hardness HRC55-60

(mm)

Code	Jaw opening (Q)	Jaw width (W)	Overall length (L)	H	M	Price(₹)
6526-80	0-80mm	50mm	150	53	25	16182
6526-100	0-100mm	73mm	190	70	35	21795

ELECTRONIC EDGE FINDER

Unit: mm

6566-2 **6566-3**

LED light
beeper
LED light

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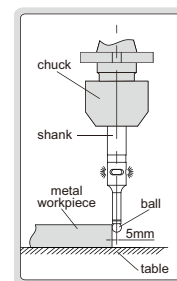
- Accuracy: 5μm
- The shank is electrically conducted to the metal workpiece through the chuck and table, the LED lights up and the beeper sounds (only for **6566-3**), when the ball touches the workpiece
- Not suitable for rotary use
- Hardened shank and contact ball

Code	Shank (A)	Contact ball (B)	Beeper	Battery	Price(₹)
6566-2	Ø20mm	SØ10mm	without	23AE, 12Vx1pc	4643
6566-3	Ø20mm	SØ10mm	with	23AE, 12Vx1pc	6006

ZERO SETTER
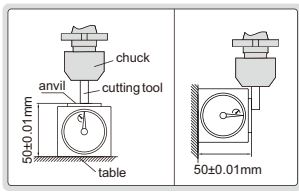
2397-502A

- Magnetic base
- Accuracy: ±10µm

Unit: mm

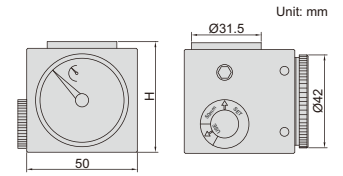| Code	Height (H)	Test force	Price(₹)
2397-502A	50mm	9N (at 50mm)	12782

ZERO SETTER

2394-100A

- Magnetic base with on-off switch

Unit: mm
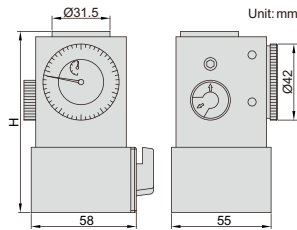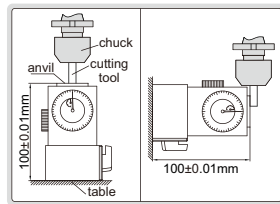
Code	Height (H)	Accuracy	Test force	Price(₹)
2394-100A	100mm	±10µm	9N (at 100mm)	16626

CENTERING INDICATOR

2385-3

Unit: mm

external feeler   internal feeler   small hole feeler

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

Code	Price(₹)
2385-3	9127

handle is fixed

external feeler   internal feeler   small hole feeler (for holesless than Ø3mm diameter)
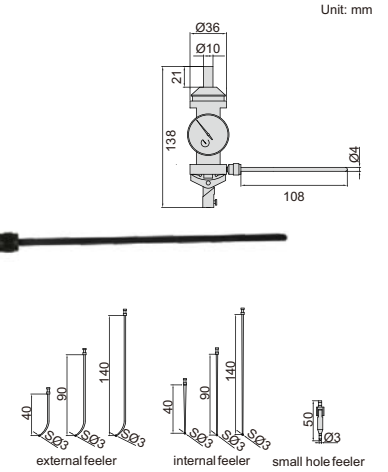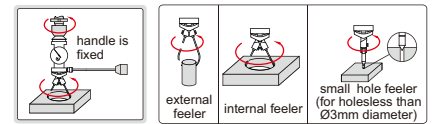
DATA OUTPUT CABLE

7302-SPC1A 7302-SPC1B 7302-SPC2A 7302-SPC3A 7302-SPC4

7304-2

Excel

red button   USB port

foot switch is optional
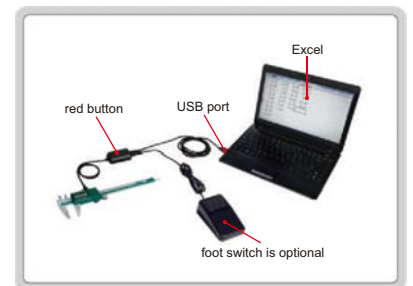
- Connect to USB port of computer
- Without software, data can be input as keyboard signal to Excel, Word, etc.
- Press the red button or foot switch (optional) to input data

Code	Description		Remark	Price(₹)
7302-SPC1A	cable (length 2.5m)		for digital calipers and digital depth gages (not for **1103**)	4675
7302-SPC1B	cable (length 2.5m)		for digital calipers and digital depth gages (not for **1103**)	4769
7302-SPC2A	cable (length 2.5m)		for digital micrometers (not for **3631, 3632, 3108, 3109, 3635**)	4855
7302-SPC3A	cable (length 2.5m)		for digital indicators digital protractor	5035
7302-SPC4	cable (length 2.5m)		for digital calipers 1103 series(for **1103** only)	7013
7304-2	foot switch with cable (length 1.5m)		optional	3295

WIRELESS DATA TRANSFER SYSTEM

APPLICABLE FOR OTHER BRANDS

PREMIUM QUALITY INSIZE PLUS MADE IN USA

receiver
7306-1

transmitter
7306-20

Code	Descrizione	Applicable products		Price(₹)
7306-1	receiver (with USB cable)			54021
7306-20	transmitter module	digital calipers and digital depth gages (not for 1103)		46098
7306-30	transmitter module	digital micrometers (not for 3631, 3632, 3108, 3109, 3635)		46098
7306-40	transmitter module	digital indicators	digital protractor	46098

■ **CONNECTION:** one receiver can be connected to multi transmitters
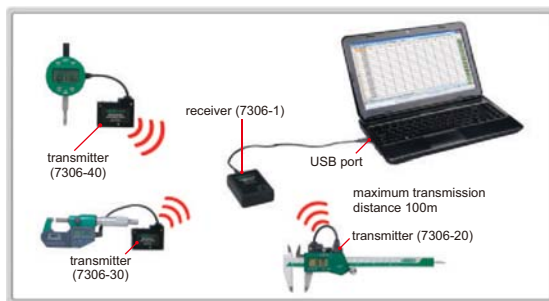
■ **DATA COLLECTION:**
  1) Single collection: press the read button once to collect the reading from measuring tool once
  2) Multi collection: press the read button once to start collecting readings from measuring tools continuously, press the button again to stop collecting. Total collection times and interval time can be adjustable

read button

transmitter (7306-40)

receiver (7306-1)

USB port

maximum transmission distance 100m

transmitter (7306-20)

transmitter (7306-30)

■ **DISPLAY:** data can be input to Excel as keyboard signal

measuring tools code A, B, C

All data are displayed in the same column
Each measuring tool can be coded
such as A, B, C, etc.

DIGITAL HORIZONTAL GAGE

DATA OUTPUT

7101-300A
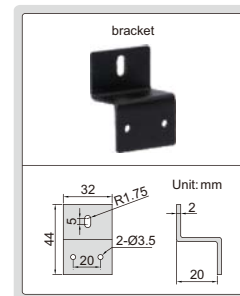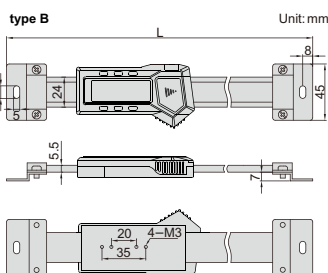
7101-400A

bracket

type A   Unit: mm

Unit: mm

■ 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

type B   Unit: mm
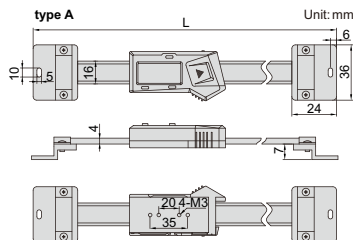
■ Resolution: 0.01mm/0.0005"
■ Button function: on/off, zero, mm/inch, ABS, data preset
■ Absolute and incremental measurement
■ Battery CR2032
■ Data output
■ Made of stainless steel
■ Supplied with bracket to be mounted on the back
■ Optional accessory: data output cable

(mm)

Code	Range	Type	Accuracy	L	Price(₹)
7101-100A	100mm	A	±0.02mm	215	3795
7101-150A	150mm	A	±0.03mm	265	4491
7101-200A	200mm	A	±0.03mm	315	5868
7101-300A	300mm	A	±0.04mm	445	8702
7101-400A	400mm	B	±0.05mm	590	10960
7101-500A	500mm	B	±0.05mm	690	13945
7101-600A	600mm	B	±0.08mm	790	17261
7101-800A	800mm	B	±0.10mm	990	25860
7101-1000A	1000mm	B	±0.10mm	1190	35643

PROFILE PROJECTOR
CODE ISP-Z3015

INSIZE
MANUFACTURER
INSPECTION CERTIFICATE

X-Y travel: 150x50mm

Screen diameter: 300mm

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

SPECIFICATION

Price(₹)	576946			
Edge detector	not included			
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			
	accuracy: (4+L/25)µm L is the measuring length in mm			
Z (focus) travel range	90mm			
max. load capacity	4kg			
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			
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			
	½ set midpoint of coordinate			
advanced function	—			
Power supply	110/220V, 50/60Hz			
Dimension (L×W×H)	550×770×1100mm			
Weight	135kg			

VISION MEASURING SYSTEM

SPECIFICATION

Code	ISD-V150	ISD-V250	ISD-V300
Price(₹)	556496	627979	692727
Measuring range (X×Y×Z)	150×100×200mm	250×150×200mm	300×200×200mm
Stage size	354×228mm	450×280mm	500×330mm
Stage glass 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, 1.5M pixel		
Illumination	surface and contour with adjustable LED		
Max. height of workpiece	160mm		
Max. weight of workpiece	20kg		
Operation system	Windows 7		
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

image
measuring tools
X/Y/Z axis display
zoom in
measuring object
measuring results
graphic
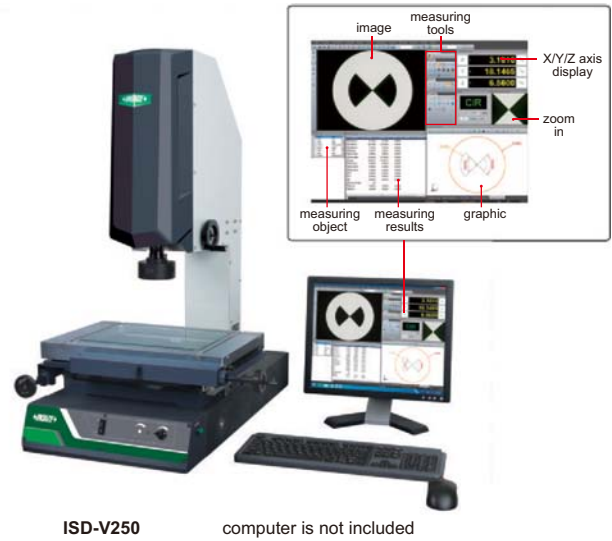
ISD-V250   computer is not included

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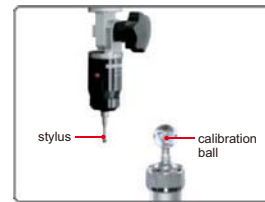
probe (optional), includes Ø2mm and Ø3mm styli, Ø25mm calibration ball, measuring accuracy is 10µm

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

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-OB02X** 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 mounted in factory)

SOFTWARE FOR VISION MEASURING SYSTEM

- **Operation system:** Windows 7
- **Language:** English
- **Single measuring tools:**

measure coordinate of point

measure distance between two points

measure center coordinate and axis length of ellipse

measure length, width and diameter of key slot

measure length of open curve

measure focus distance of surface

measure angle of two lines

measure center coordinate, diameter and area of circle

measure length and diameter of arc

measure length, width and area of rectangle

measure width and diameter of ring

measure length and area of close curve

measure distance of two elements

- **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
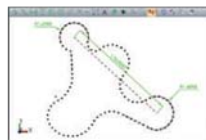
- Combined measuring tools:
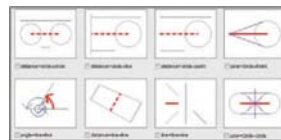
measure distance and angle of two elements

- Profile detection:

- Contour scanning:
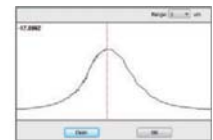
- Edge-detection:
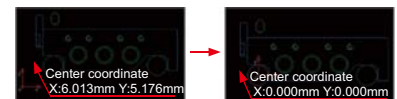
Point tool   Box tool   Circle tool

- Focus indicator:

- Coordinate transfer:

Center coordinate X:6.013mm Y:5.176mm
Center coordinate X:0.000mm Y:0.000mm

- Data export to CAD, EXCEL and WORD

CAD   EXCEL   WORD

DIGITAL MEASURING MICROSCOPE

stand

measurement

stand

illumination adjustment
focus adjustment
universal ball head
magnification adjustment
white/black plate

take picture

ISM-PM200SB

computer is not included

focus support

calibration rule (graduation 1mm)

calibration rule (graduation 0.1mm)

- Can take pictures and videos
- Supplied with software

put the digital microscope directly on the workpiece for inspection and measurement
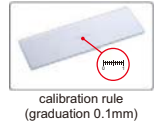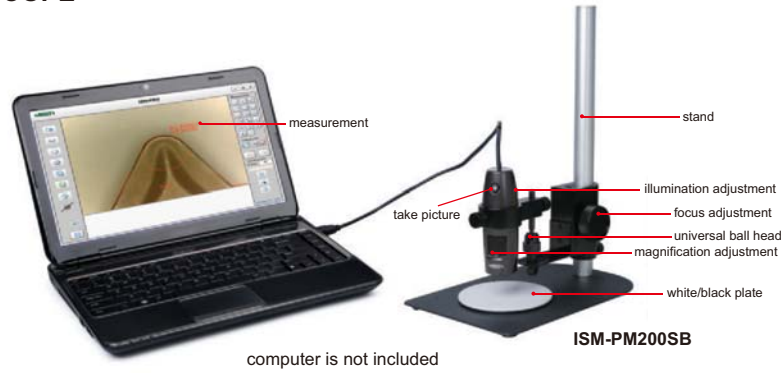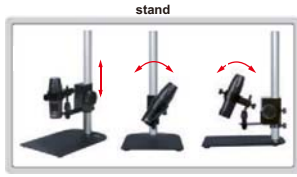
SPECIFICATION

Code	ISM-PM200SB	ISM-PM600SB	ISM-PM160LA
Price(₹)	20303	25590	26735
Magnification	10X~200X	450X~600X	35X~160X
Type	short focus distance	short focus distance	long focus distance
Focus support	included	not included	not included
Calibration rule	graduation 0.1and1mm	graduation 0.1mm	graduation 0.1and1mm
Pixel	2M (resolution: 1600x1200)		
Ilumination	built-in adjustable LED		
Power supply	USB 2.0 cable (voltage required: 5±0.1V)		

MAGNIFICATION, FOCUS DISTANCE, VIEW FIELD AND ACCURACY

ISM-PM200SB			
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

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

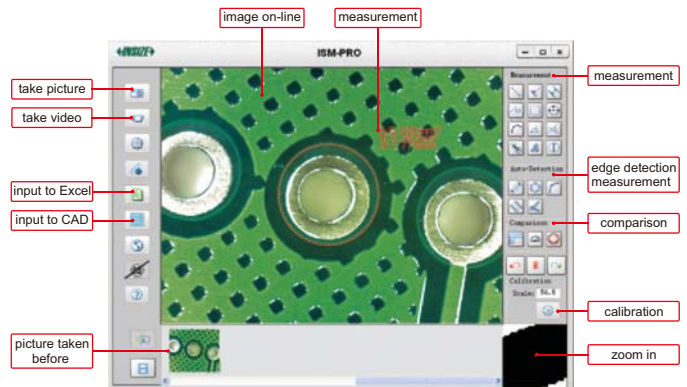| ISM-PM160LA			
Magnification	Focus distance	View field	Accuracy
50X	62mm	8.1×6.4mm	30µm
100X	45mm	3.9×3.1mm	15µm
160X	50mm	2.4×1.9mm	10µm

SOFTWARE FOR DIGITAL MEASURING MICROSCOPE

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

- **Measurement:**

  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

  A 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

image on-line   measurement

take picture

take video

input to Excel

input to CAD

picture taken before

measurement

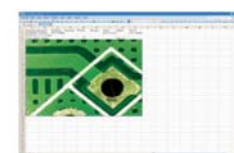edge detection measurement

comparison

calibration

zoom in

- **Comparison:**
  Create line, angle or circle with desired size, to compare with workpieces.

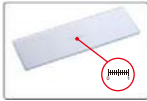 create line   create angle   create circle with tolerance
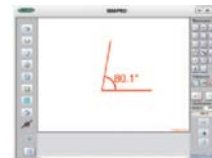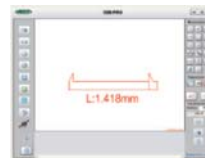
- **Data export to CAD or Excel:**

WiFi DIGITAL MEASURING MICROSCOPE
CODE ISM-WF200

calibration rule
(graduation 1mm)

calibration rule
(graduation 0.1mm)

take picture

illumination adjustment

USB/WiFi switch

magnification adjustment

focus support

STAND(code: **ISM-WSTD**, optional)

connected to iPad by WiFi

connected to computer by WiFi

connected to computer by USB cable

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

SPECIFICATION

Price(₹)	17093
Magnification	10X ~ 200X
Pixel	1.3M (resolution: 1280x1024)
Illumination	built-in adjustable LED
Power supply	built-in rechargeable battery

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

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-WSTD

SOFTWARE FOR DIGITAL MEASURING MICROSCOPE

❶ **Software ISM-PAD** (for iPad by WiFi)

image on-line

measurement

take picture and video

picture taken before

move measuring piont

measuring tools and calibration

take picture/ video switch

resolution setting
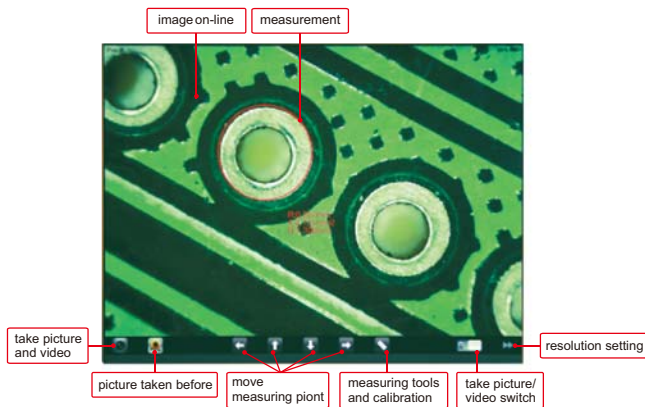
❷ **Software ISM-WF Partner** (for computer by WiFi)

take picture and video

image process

measuring tools

calibration

preview

picture taken before

image on-line

measurement
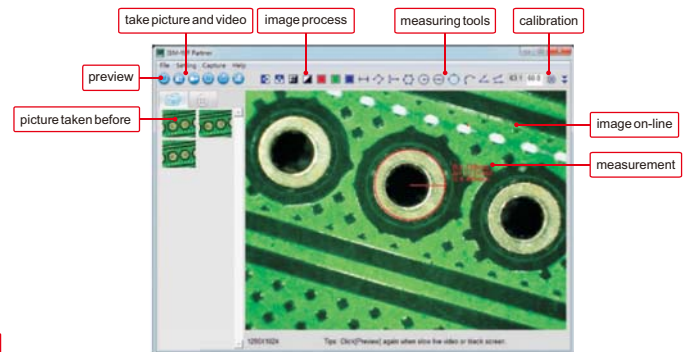
❸ **Software ISM-PRO**(for computer by USB cable)

image on-line

measurement

take picture

take video

export to Excel

export to CAD

picture taken before

measuring tools

edge detection measurement

comparison

calibration

zoom in
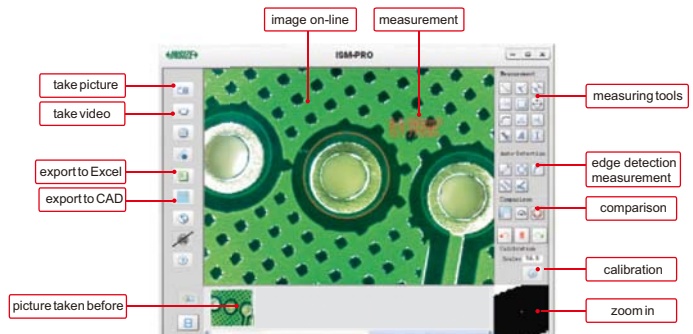
TV DIGITAL MICROSCOPE

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

ISM-TV200 (with wire)

illumination adjustment
magnification adjustment
focus ring
power
video output

ISM-TV200W (wireless)

transmission channel switch
illumination adjustment
magnification adjustment
receiver
focus ring
transmission channel switch
power
video output

SPECIFICATION

Code	ISM-TV200	ISM-TV200W
Price(₹)	11632	18505
Type	with wire	wireless (maximum transmission distance 5m)
Magnification	10X~200X (on 17" TV)	
Pixel	0.35M	
Illumination	adjustable brightness LED	
Focus stand	supplied with focus ring, stand (**ISM-WSTD**) is optional	
Power supply	DC	built-in rechargeable battery

connect to TV directly
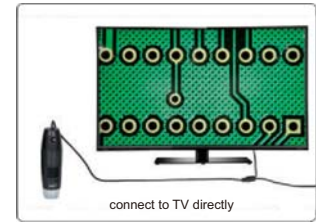
MAGNIFICATION, FOCUS, VIEW FIELD

ISM-TV200			ISM-TV200W		
Magnification	Focus	View field	Magnification	Focus	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

STAND (code **ISM-WSTD**, optional)

ZOOM STEREO MICROSCOPE

SPECIFICATION

Code	ISM-ZS50	ISM-ZS50T
Price(₹)	76162	89724
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	

WF 10X eyepiece
objective magnification adjustment
reflected LED light
objective
focus adjustment
reflected LED light adjustment
transmitted LED light adjustment
working stage diameter : 100mm
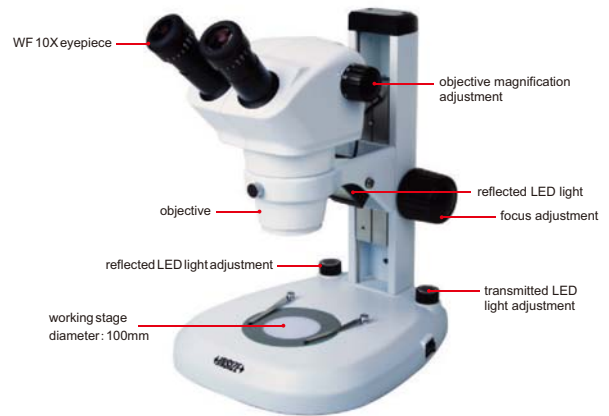
ISM-ZS50

STANDARD DELIVERY

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

OPTIONAL ACCESSORY

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

ZOOM STEREO MICROSCOPE
CODE ISM-ZS30

SPECIFICATION

Price(₹)	36882
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

WF 10X eyepiece
objective magnification adjustment
reflected LED light
objective
focus adjustment
reflected LED light adjustment
transmitted LED light adjustment
working stage diameter: 95mm

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 (0.1mm/div.)	ISM-ZS30-EPD10X
	WF15X (view field: Ø16mm)	ISM-ZS50-EP15X
	WF20X (view field: Ø12mm)	ISM-ZS50-EP20X
Digital camera		ISM-D500

STANDARD DELIVERY

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

PORTABLE MEASURING MICROSCOPE

10X eyepiece
10X eyepiece with graduation
focus adjustment
pen light
10X objective
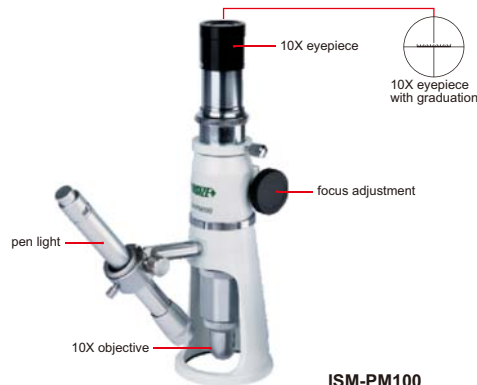
ISM-PM100

SPECIFICATION

Code	ISM-PM20	ISM-PM40	ISM-PM50	ISM-PM100
Price(₹)	12441	11518	13541	11417
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
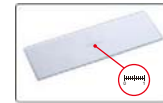
Main unit	1pc
Pen light	1pc
Battery (AAA)	2pcs

DIGITAL CAMERA
CODE ISM-D500

■ Insert into eyepiece tube or camera connecter of microscopes
■ Supplied with software

adapter 0.45X

calibration rule (graduation 0.1mm)

connector Ø23.2/Ø30mm

SPECIFICATION

Price(₹)	46769
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

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

MANUAL 360° SWIVEL VIDEOSCOPE

STEEL WIRE WEAVED CABLE RESISTANCE TO BREAK AND WEAR

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

IP65 WATERPROOF

SPECIFICATION

Code		ISV-2000D	ISV-3000D
Price(₹)		272098	468502
Lens	diameter (D)	6.5mm	4.5mm
	focus diatance (F)	15mm~∞	8~80mm
	illumination	8pcs LED	6pcs LED
	pixel	0.35M	
	dust/waterproof	IP65	
	bend control	manual joystick	
Cable	length	1.5m	
	type	steel 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, 4X, 5X)	
	memory	8G SD card	
	output	TV, USB	
	power supply	rechargeable battery (for 2 hours working) AC/DC adapter (for continuous working)	
Weight		650g	600g

power on/off
3.5" LCD
USB port
charger port
video output
SD card
take video
manual joystick to bend the probe in any direction
zoom
bend lock
steel wire weaved cable length: 1.5m
LED brightness adjustment
take picture
lens with adjustable LED illumination

ISV-2000D

STANDARD DELIVERY

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

OPTIONAL ACCESSORY

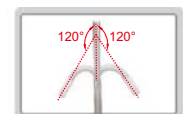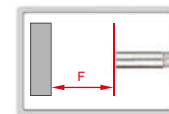| Base	ISV-2000D-BASE

base (optional)

bend in any direction

360° swivel in clockwise and counter-clockwise
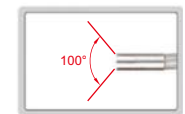
120° 120°

bend within ±120°
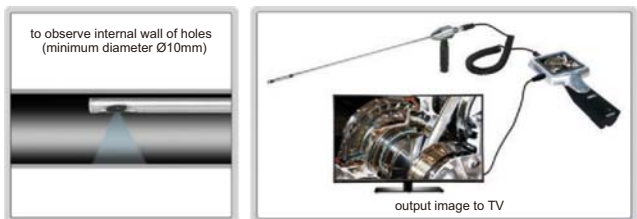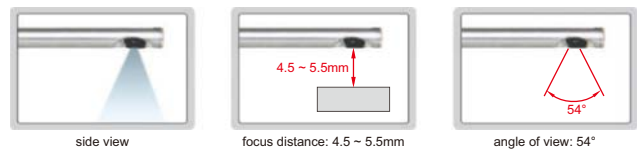
D

lens with LED adjustable illumination

F

focus distance

100°

angle of view: 100°

# SIDE VIEW VIDEOSCOPE (RIGID)
CODE ISV-RV

IP57 WATERPROOF

lens
adjustable LED illumination
handle
connection cable
SD card
video output
LED brightness adjustment
3.5" LCD
USB port
power on/off
take picture
take video

L
D

side view
focus distance: 4.5 ~ 5.5mm
4.5 ~ 5.5mm
angle of view: 54°
54°

to observe internal wall of holes (minimum diameter Ø10mm)
output image to TV

SPECIFICATION

Price(₹)	87059
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
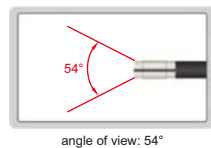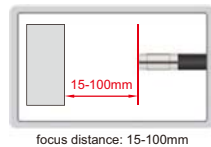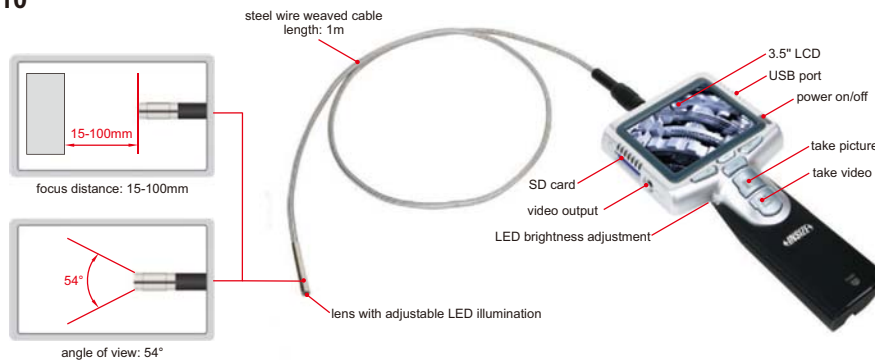
STEEL WIRE WEAVED CABLE RESISTANCE TO BREAK AND WEAR

OPTIONAL CABLE LENGTH 3M, 5M AND 10M
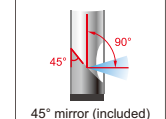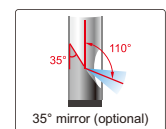
IP65 WATERPROOF

steel wire weaved cable length: 1m
3.5" LCD
USB port
power on/off
SD card
video output
LED brightness adjustment
take picture
take video
lens with adjustable LED illumination

15-100mm
focus distance: 15-100mm

54°
angle of view: 54°

SPECIFICATION

Price(₹)		77721
Lens	diameter	5.5mm
	pixel	0.3M
	resolution	640×480
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

front view
side view (with mirror)

35°
110°
35° mirror (optional)

45°
90°
45° mirror (included)

60°
60°
60° mirror (optional)
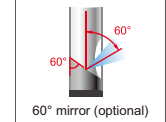
OPTIONAL ACCESSORY

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

ROUGHNESS TESTER

CUSTOM-MADE PROBES ARE AVAILABLE

PREMIUM QUALITY INSIZE PLUS MADE IN ITALY

DATA OUTPUT

ISR-S300
(probe can't be changed)

ISR-S400
(probe can be changed)

- Automatic probe leveling
- Language: English, French, German, Italian, Spanish, Portuguese
- 12 roughness parameters
- Can set tolerance
- Measuring range up to 400µm, can measure grit and shot blasting
- Traverse length up to 16mm
- The probe can be set at 90°or 270°,for transverse measurement
- Memory of maximum 100 results

transverse measurement

adjustable stand (included)

probe cover (included), can put the small workpieces directly on the probe for measurement

printer (optional), print measuring results and roughness graphic

test stand (optional)

measuring software (optional), can control the roughness tester, display roughness values, profile and curve, data statistics

Unit: mm

SPECIFICATION

Code		ISR-S300 (probe can't be changed)	ISR-S400 (probe can be changed)
Price(₹)		236917	272778
Parameters		Ra, Rq, Rt, Rz, Rc, Rmax, Rsm, Rpc, Rmr, R, AR, Rx	
Range		Ra: 0~100µm, Rt: 0.05~400µm	
Accuracy		±3%	
Resolution (Ra)		0.001µm	
Probe	type	inductive	
	stylus radius/angle	5µm/90°	
	stylus material	diamond	
Measuring force		0.75mN	
Measuring unit		µm/µin	
Cut off		0.25/0.8/2.5mm	
Number of cut-offs		1~5	
Traverse speed		1mm/s	
Memory		100 measurement results	
Output		USB	
Power		built-in rechargeable battery	
Dimension (L×W×H)		122x52x68mm	
Weight		650g	

standard probe (included)

small hole probe (for ISR-S400, optional) code ISR-S400-SB30

diameter> Ø4

extension rod (for ISR-S400, optional) code ISR-S400-ER100 for long hole

measure plane surfaces and holes with diameter>Ø4mm and depth<20mm

groove probe (for ISR-S400, optional) code ISR-S400-SB20 measure plane surfaces and grooves

depth <6
width>4
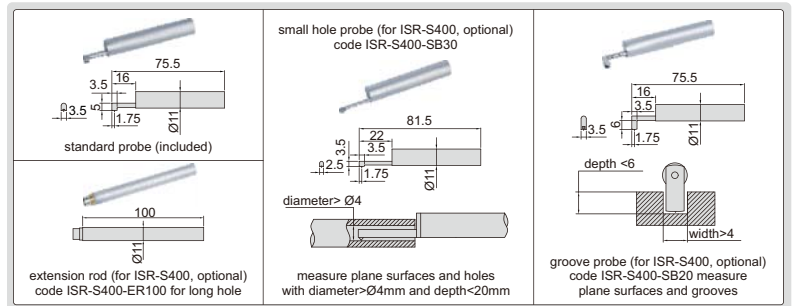
STANDARD DELIVERY

Main unit	1pc
Standard probe	1pc
Calibration block	1pc
Adjustable stand	1pc
AC/DC adapter	1pc
Probe cover	1pc

OPTIONAL ACCESSORY

Extension rod (only for ISR-S400)	ISR-S400-ER100
Probe (only for ISR-S400)	see details
Printer	ISR-S400-PRINTER
USB cable and software	ISR-S-SOFTWARE
Test stand	ISR-S400-DK

SHOT AND GRIT BLASTING SURFACE ROUGHNESS SPECIMEN

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

Code	Machining method	Roughness (Ra)	Roughness (Rz)	Quantity	Price(₹)
ISR-CS017	Shot blasting	3.2, 8, 13, 18µm	19.2, 48, 78, 108µm	4pcs	14278
ISR-CS018	Grit blasting	3.2, 10.5, 18, 25µm	19.2, 63, 108, 150µm	4pcs	14278

PREMIUM QUALITY INSIZE PLUS MADE IN UK

ISR-CS017

SURFACE ROUGHNESS SPECIMEN

- For checking, identifying and specifying the roughness by symbol
- Accuracy: +20% ~ -25%, Ra≤0.1μm
  Accuracy: +12% ~ -17%, Ra>0.1μm
- Meets ISO 2632 (ISR-CS329 meets ISO 8503/1)
- Rust-proof, made of pure Nickel

ISR-CS315

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	10946
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	10946
ISR-CS317	Flat lapping	Criss-cross	0.025, 0.05, 0.1, 0.2μm	0.4, 0.6, 0.74, 1.26μm	4pcs	10946
		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	10946
	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	10946
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	10946
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	10946
ISR-CS322	Reaming		0.4, 0.8, 1.6, 3.2μm	1.7, 3.2, 6.4, 12.8μm	4pcs	10946
	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	10946
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	10946
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	10946
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	10946
ISR-CS329	Grit blasting		3.2, 10.5, 18, 25μm	19.2, 63, 108, 150μm	4pcs	10946
	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	10946
ISR-CS333	Hand filing		0.4, 0.8, 1.6, 3.2, 6.3μm	3, 5.6, 12.4, 22.5, 61μm	5pcs	10946
ISR-CS334	Castings		0.8, 1.6, 3.2, 6.3, 12.5, 25, 50μm	3.2, 8, 16, 32, 56, 112, 225μm	7pcs	10946
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	10946
ISR-CS336	Polishing		0.0125, 0.025, 0.05, 0.1, 0.2μm	0.29, 0.35, 0.67, 0.72, 1.52μm	5pcs	10946

ULTRASONIC THICKNESS GAGE
CODE ISU-200D

ATTENTION: BASIC MODEL

DATA OUTPUT

MANUFACTURER INSPECTION CERTIFICATE

- Measure the thickness from one side of object, suitable for pipe, tank, etc.
- Applicable material: metal, plastic, glass, nylon, resin, ceramic, rubber, ice
- Low and high limits with judgement
- Memory of maximum 500 readings

data output
LCD with backlight
4.00mm calibration block
transducer ISU-200D-N05
Ød

SPECIFICATION

Price(₹)	44350
Resolution	0.01mm (range<100mm)
	0.1mm (range≥100mm)
Accuracy	±0.05mm (range<10mm) ±(0.01+0.5%H)mm (range≥10mm) H is the thickness to be measured in mm
Velocity	1000-9999m/s
Power supply	3 x AAA batteries
Dimension	151×70×24mm
Weight	200g

OPTIONAL ACCESSORY

Transducer	ISU-200D-N02 ISU-200D-N07 ISU-200D-W05 ISU-200D-HT5

STANDARD DELIVERY

Main unit	1pc
Transducer ISU-200D-N05	1pc
Couplant	1 bottle
USB cable and software	1pc

SPECIFICATION OF TRANSDUCERS

Code	Frequency	Diameter (Ød)	Measuring range	Minimum size of pipe for measurement (diameter × wall thickness)	Applicable temperature	Application
ISU-200D-N05	5.0MHz	12mm	0.8-300mm	25x3mm	<60°C	general use
ISU-200D-N02	2.0MHz	17mm	2-400mm	30x4mm	<60°C	for casting steel
ISU-200D-N07	7.5MHz	8mm	0.75-40mm	15x1.2mm	<60°C	for thin material
ISU-200D-W05	5.0MHz	10mm	0.8-230mm	20x1.2mm	<60°C	for wall thickness
ISU-200D-HT5	3.0MHz	15mm	3-100mm	25x3mm	<300°C	for high temperature

COATING THICKNESS GAGE
CODE ISO-1000F

ATTENTION: BASIC MODEL	MEASURE NON-MAGNETIC COATING ON MAGNETIC SUBSTRATE

- To measure the thickness of non-magnetic coating on magnetic substrate
  substrate: steel, iron, magnetic stainless steel (non-magnetic stainless steel is not included)
  coating: zinc, copper, chrome, tin, plastic, paint (nickel is not included)
- Low and high limits with judgement
- Calculate average value automatically
- Automatic power off

SPECIFICATION

Price(₹)	27816
Measuring range	0~1250μm
Accuracy	±(3%L+1)μm L is measuring thickness in μm
Resolution	0.1μm (range<50μm)
	1μm (range≥50μm)
Repeatability	±(2%L)μm L is measuring thickness in μm
Measuring mode	continuous and single
Minimum substrate thickness	0.5mm
Minimum measuring area	Ø7mm
Minimum curvature radius of convex workpiece	1.5mm
Memory	500
Power supply	3x1.5V AAA batteries
Dimension	155×72×27mm
Weight	230g

zero calibration block (included)

calibration foils (included)

STANDARD DELIVERY

Main unit	1pc
Magnetic induction probe	1pc
Zero calibration block	1pc
Calibration foils (50μm, 100μm, 250μm, 500μm, 1000μm)	1set
1.5V AAA battery	3pcs

PORTABLE HARDNESS TESTER
CODE ISHL-P100

ATTENTION: BASIC MODEL

- Supplied with impact device D
- Set measurement times (1~32) to have average value
- Based on Leeb(HLD), converted to Vickers(HV), Brinell(HB), Rockwell(HRC and HRB), Shore(HS) and tensile strength(MPa)
- Memory of 100 measurement values for browsing
- Automatic power off

SPECIFICATION

Price(₹)	44003
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: 11mm	
	maximum roughness(Ra): 1.6μm	
Power supply	3×AAA batteries	
Dimension	155×72×27mm	
Weight	280g	

hardness test block D (included)

small support ring (included)

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-COUPLANT
Hardness test block D	ISHL-P100-BLOCK
Support rings	see details

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				

ULTRASONIC HARDNESS TESTER
CODE ISHU-460

Application:
1. For steel, non-ferrous metal and alloy
2. Can 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. Can test large workpieces at any direction
8. Suitable for rough surfaces

cover

- Small test indentation
- Test force and time are not affected by the operator
- Quick test, only 2 seconds
- Memory of 1000 test results
- Automatic power off
- Anti-dust and waterproof

SPECIFICHE

Price(₹)	306974
Hardness scale	HV, HB, HRB, HRC, HS
Resolution	1HV, 1HB, 1HRB, 0.1HRC, 1HS
Accuracy	HB	±10HB
	HV	±15HV
	HRC	±2HRC
Minimum measuring area	Ø1mm
Data output	USB
Operating temperature	-20°C ~ +40°C
Power supply	built-in rechargeable battery
Dimension and weight of main unit	160×80×40mm, 315g

STANDARD DELIVERY

Main unit	1pc
Probe A	1pc
AC/DC adapter	1pc
USB cable and software	1pc

OPTIONAL ACCESSORY

Probe B	ISHU-460-B
Couplant	ISH-COUPLANT

test flat surfaces (with the cover)

test cylinder surfaces (use V-groove on the cover)

SPECIFICATION OF PROBE

Type	A (standard)	B (optional)
Measuring 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 thickness of surface hardening layer or plating	0.1mm	0.03mm
Dimension and weight of probe	140×Ø37mm, 271g	145×Ø37mm, 271g

test narrow areas (remove the cover)

*If the weight or thickness of workpiece is less than required, the workpiece should be fixed or coupled on solid support

user scales

steel
alloy ateel
stainless steel
cast iron
ductile iron
aluminum
brass
bronze
copper
user material 1
user material 2

☐ Empty cell
☐ Calibrated
☐ User calibration
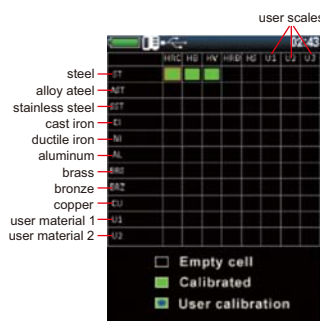
select the material and scale, use the corresponding standard hardness blocks or workpieces for calibration (calibration of HRC, HB and HV for steel are already made, calibration is needed before use other materials and scales)

can take a picture on the workpiece and get a report with testing result and picture, the report can be sent to computer

camera

back

58.4 HRC
Graph — Steel
Graph display mode, show average value, relative range and test times

53.7 HRC
Histogram — Steel
Histogram display mode, show average value, relative range and relative standard deviation

55.4 HRC
Statistic — Steel
Maximum	59.6
Minimum	25.0
Deviation	19.4
Average	55.4
Var. coeff.	62.4
Num of meas.	10
Statistics display mode, show maximum, minimum, deviation, average, relativerange and test times

58.7 HRC
Smart — Steel
Smart display mode, can set tolerance, automatically reject the result whenout of tolerance
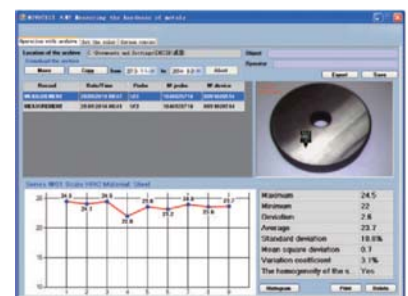
software(included), can output data, get and print reports, screen capture, set screen colors of hardness tester

PORTABLE HARDNESS TESTER
CODE ISH-PHB

MANUFACTURER INSPECTION CERTIFICATE

SPECIFICATION

Price(₹)	90428
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: 11mm	
	maximum roughness(Ra): 1.6μm	
Power supply	3×AAA batteries
Dimension	150×84×28mm
Weight	200g

hardness test block D (included)

small support ring (included)

wireless printer(optional)

- Supplied with impact device D
- Set measurement times (1~9) to have average value
- 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
- Connected with printer via bluetooth
- Automatic power off
- According to ASTM A 956

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-COUPLANT
Support rings	see details
Hardness test block D	ISH-BHLD

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				

MANUAL ROCKWELL HARDNESS TESTER
CODE ISH-R150

MANUFACTURER INSPECTION CERTIFICATE

SPECIFICATION

Price(₹)	144940
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 HRB85~95	1pc
Hardness test block HRC60~65	1pc
Hardness test block HRC20~30	1pc
Anti-dust cover	1pc

indenter

stage

test force dial

load/unload handle
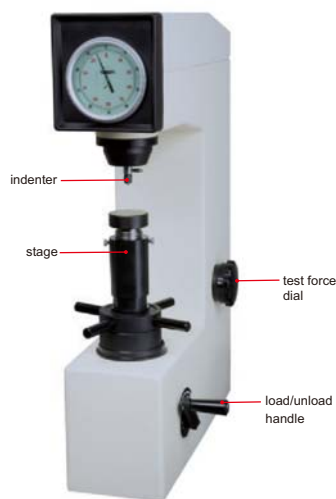
Ø60mm flat anvil

Ø150mm flat anvil

V-type anvil

OPTIONAL ACCESSORY

Hardness test block HRB85~95	ISH-BHRB
Hardness test block HRC60~65	ISH-BHRC3
Hardness test block HRC20~30	ISH-BHRC1

MANUAL DIGITAL ROCKWELL HARDNESS TESTER
CODE ISH-RD200

MANUFACTURER INSPECTION CERTIFICATE

DATA OUTPUT

- Tolerance measurement with alarm
- Set measurement times (2~9) to have average value and the difference of max. and min. value
- Convert to HV or HB automatically
- Memory of 1000 measurement values for browsing and output
- Measurement value can be sent to wireless printer automatically
- Calibration function compensates the measurement value for high accuracy
- The hardness value of soft materials like plastic is not stable. The lock function can obtain the value automatically
- Automatic power off

preliminary test force overload · **printer** · **lock for low hardness value**
preliminary test force alarm
preliminary test force loading
59.9 HRC
scale measurement value conversion
battery power
finished measurement times/total times · **average value** · **difference of max. and min. value**

Ø60mm flat anvil (included)

Ø150mm flat anvil (included)

V-type anvil (included)

wireless printer (optional)

charger port
USB port
operation panel
indenter
stage
test force dial
load/unload handle

SPECIFICATION

Price(₹)	170191
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	Hardness test block HRB88~95	1pc
Ø60mm flat anvil	1pc	Hardness test block HRC60~65	1pc
Ø150mm flat anvil	1pc	Hardness test block HRC20~30	1pc
V-type anvil	1pc	Anti-dust cover	1pc
Diamond indenter	1pc	USB cable and software	1pc
Ø1.5875mm carbide ball indenter	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

AUTOMATIC BRINELL HARDNESS TESTER
CODE ISHB-M100*

- Automatic testing after preliminary test force is loaded by hand
- Measure indentation by measuring microscope then find the hardness value from table
- Electronic close-loop load control system
- Supplied with manufacturer inspection certificate

panel
test force indicator
test force
load/dwell/unload
dwell time
clear test force
stop
dwell time adjustment · **test force adjustment**

AUTOMATIC TESTING AFTER PRELIMINARY TEST FORCE IS LOADED BY HAND

MANUFACTURER INSPECTION CERTIFICATE

indenter
stage
handwheel

Ø80mm flat anvil (included)

V-type anvil (included)

Ø180mm flat anvil (included)

measuring microscope (included)

SPECIFICATION

Price(₹)	254688
Range	8~650HBW
Reading mode	from table
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
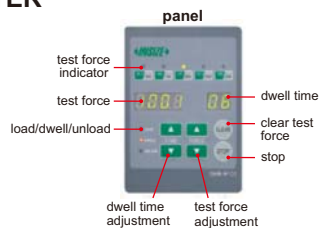
STANDARD DELIVERY

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

measure indentation by measuring microscope

then find the hardness value from table

AUTOMATIC DIGITAL MICRO-VICKERS HARDNESS TESTER
CODE ISHV-D120*

slice holder (included) vice (included) cylinder holder (included) level (included)

- Based on Vickers(HV), can be converted to HRA, HRB, HRC, HRD, HR15N, HR30N,HR45N, HR15T, HR30T, HR45T, HK, HBW
- Can take tests up to 99 times, display average value and the difference of max. and mini. value
- Low and high limits with judgement
- Also for Knoop hardness test, Knoop indenter is needed (optional)
- Supplied with manufacturer inspection certificate

MANUFACTURER INSPECTION CERTIFICATE

SPECIFICATION

Price(₹)	842406
Range	10 ~ 3000HV
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
Load control	automatic (load/dwell/unload)
Load dwell time	0 ~ 60 second
Eyepiece magnification	10X
Eyepiece resolution	0.01μm (≥10μm), 0.001μm (<10μm)
Objective	10X, 40X
Total magnification	100X (for observation) 400X (for measurement)
Max. height of workpiece	210mm
Max. depth of workpiece	135mm (from the center of indenter)
X-Y stage	dimension: 100×100mm travel range: 25×25mm graduation: 0.01mm
Power supply	220V, 50/60Hz*
Dimension	490×320×530mm
Weight	45kg

STANDARD DELIVERY

Main unit	1pc
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

OPTIONAL ACCESSORY

Hardness test block(400~500HV0.2)	ISH-BHV02A
Hardness test block(700~800HV1)	ISH-BHV1
Knoop indenter	ISHV-D120-KNOOP
Measuring system	ISH-HVC

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

WEBSTER HARDNESS TESTER

ISHW-L20

- To measure the hardness of soft metal such as aluminum alloy, copper, brass, soft steel, etc.
- According to ASTM B647-84 (2000)

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(₹)	127292	172292	172292	143479	143479	143479
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	205x30x85mm					
Weight	500g					

SHORE DUROMETER

peak value indicator

peak value indicator

35°
Ø0.79mm

ISH-SAM
blunt taper indenter

30°
SR0.1mm

ISH-SDM
sharp point indenter
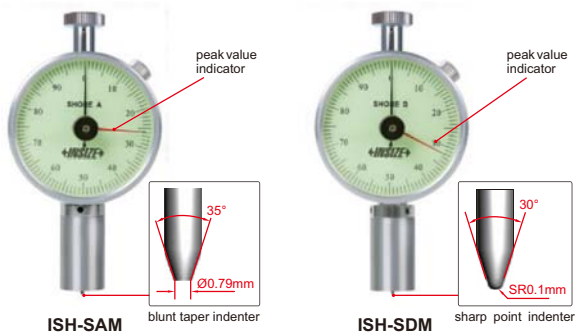
- According to ISO868, ISO7619, ASTM D 2240
- With peak value indicator
- Optional accessory: test stand **ISH-STAC** and **ISH-STD**

SPECIFICATION

Code	ISH-SAM	ISH-SDM
Price(₹)	8914	15645
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	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

TESTING STAND FOR SHORE DUROMETER

weight

weight

Durometer is not included

Durometer is not included
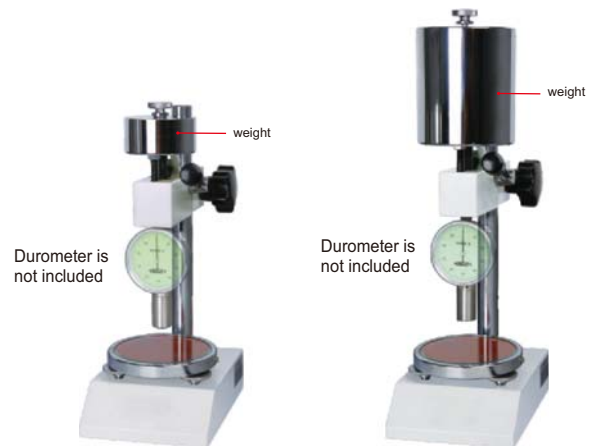
ISH-STAC

ISH-STD

- Can perform repeatable hardness measurement due to fewer possibilities of human error or measurement variations

SPECIFICATION

Code	ISH-STAC	ISH-STD
Price(₹)	15158	18515
Applicable durometer	ISH-SAM	ISH-SDM
Stage diameter	Ø100mm	Ø100mm
Maximum workpiece height	75mm	75mm
Mass of weight	1kg	5kg

MINI LEVEL

4908-100

Unit: mm
24
100
24
Ø5.2   Ø5.2
80

NO NEED TO SET ZERO BEFORE USE

PREMIUM QUALITY
MADE IN GERMANY
INSIZE PLUS
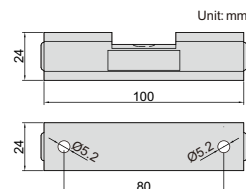
- No need to set zero before use
- With mounting holes (for M5 screw)

Code	Length	Sensitivity	Price(₹)
4908-100	100mm	0.1mm/m(=0.0057°)	19050

DIGITAL LEVEL AND PROTRACTOR

2179-360

IP54 WATERPROOF   **ABSOLUTE LEVEL**   **BACKLIGHT**   **BUZZER ALARM AT 0° AND 90°**

- 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

Unit: mm
150
60
33

level
sea level

protractor set zero
reference surface step 1
reference surface step 2
30°

4-orientation use
30° bottom   bottom 30°
30° bottom   bottom 30°
The display flips over when the bottom faces up

Code	Range	Resolution	Accuracy	Price(₹)
2179-360	0 - 360° (90°x4)	0.05° (=0.873mm/m)	0° and 90°: ±0.1°; others: ±0.2°	6839

DIGITAL LEVEL AND PROTRACTOR

2173-360
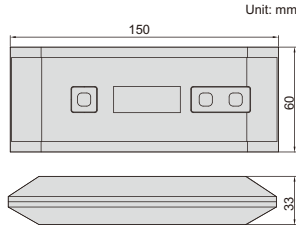
- Aluminum frame
- Magnetic bottom with V-groove for shafts
- Zero setting can be made on any plain surfaces
- Buttons: ON/OFF, ZERO, HOLD (keep the reading)
- CR2032 battery
- Automatic power off

Unit: mm
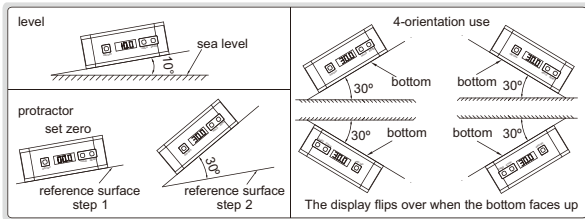
Code	Range	Resolution	Accuracy	Price(₹)
2173-360	0 - 360° (90°x4)	0.1° (= 1.745 mm/m)	0° and 90°: ±0.1°; others: ±0.2°	6437

DIGITAL LEVEL AND PROTRACTOR

BACKLIGHT

ABSOLUTE LEVEL **MAGNETIC BOTTOM**

DISPLAY FLIPS OVER WHEN THE BOTTOM FACES UP

2170-1

Unit: mm
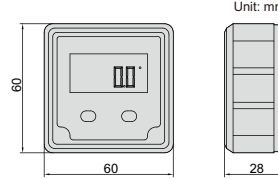
- Aluminum frame
- Magnetic bottom
- The display flips over when the bottom faces up
- The backlight is on automatically when in use, and automatically off in 15 minutes after use
- The sea level is permanently set inside the chip, zero setting is not needed when battery is replaced
- Buttons: ON/OFF, ZERO, absolute and incremental measurement
- One AAA battery
- Automatic power off in 5 minutes
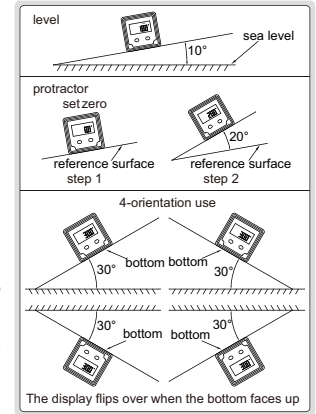
Code	Range	Resolution	Accuracy	Price(₹)
2170-1	4x90°	0.1° (= 1.745 mm/m)	at 0°and 90°: ±0.1°; others: ±0.2°	2881

ALUMINUM ALLOY LEVEL

4911-600

Unit: mm
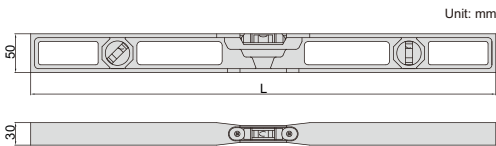
- Die casting aluminum alloy frame
- With three vials: 180°, 90° and 45°
- Zero position of vial 180° can be set

Code	Length (L)	Accuracy	Price(₹)
4911-400	400mm	0.75mm/m	1568
4911-600	600mm	0.75mm/m	1932
4911-800	800mm	0.75mm/m	2145

DIGITAL LEVEL

ABSOLUTE LEVEL **BACKLIGHT** **BUZZER ALARM AT 0° AND 90°**

4910-600

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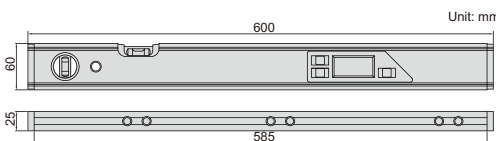
- With transverse and longitudinal vials
- Used as level and protractor
- Aluminum frame
- Magnetic bottom
- The sea level is permanently set inside the chip, zero setting is not needed when batteries are replaced
- Buttons: ON/OFF, absolute and incremental measurement, keep the reading, buzzer alarm,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

Code	Range	Resolution	Accuracy	Price(₹)
4910-600	0-360° (90°x4)	0.1° (=1.745mm/m)	0°and 90°: ±0,1°; others: ±0.2°	5753

DIGITAL FORCE GAGE

- Push and pull test
- Units: N, gf, kgf, ozf, lbf
- 500 memories
- Automatic power off
- Metal case
- LCD display with backlight, can turn 180º
- Overload alarm

push/pull accessory (included)

flat push tip | V push tip

knife-edge push tip | point push tip | pull clamp | extension rod

printer (optional)

MANUFACTURER INSPECTION CERTIFICATE

DATA OUTPUT

ISF-1DF100

OPTIONAL ACCESSORY

Printer	ISF-DF-PRINTER

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)
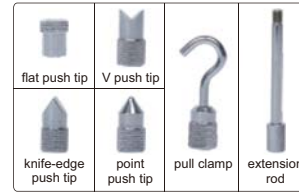
SPECIFICATION

Code	ISF-1DF10	ISF-1DF50	ISF-1DF100	ISF-1DF500	ISF-1DF1000
Price(₹)	26556	26556	26556	26556	26556
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				

DIGITAL TORQUE TESTER

with 3 mounting holes on the bottom

adaptor (included)

green alarm LED
red alarm LED
connection cable

LCD display
charger indicator
USB port
charger port
buttons
buzzer
reset
transducer
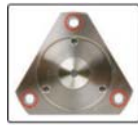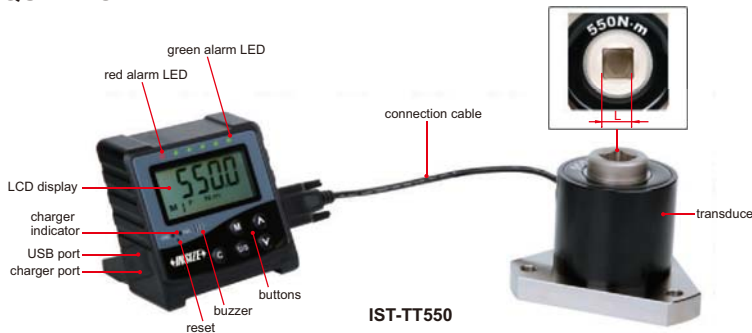
IST-TT550

DATA OUTPUT

ATTENTION: NOT SUITABLE FOR ELECTRIC WRENCHES, IMPACT WRENCHES OR PNEUMATIC WRENCHES

- With external sensor, to test torque wrenches, torque screwdrivers and other torque tools
- Clockwise and counter-clockwise operation
- Peak and track working modes
- Unit: cN.m, in.lb, kg.cm
- Target torque value can be set (9 target torque values can be saved and selected quickly), with audible and visible alarm:
  - Green LED light on and buzzer sounds when the value is 90%~100%of target torque
  - Both green and red LED light on and buzzer sounds when the target torque value is reached
- Memory of 250 measurement values for browsing and output
- Power off in 5 minutes automatically

SPECIFICATION

Code	IST-TT5	IST-TT50	IST-TT220	IST-TT550	IST-TT2200
Price(₹)	92588	78196	78732	78732	93658
Range	0.5~5N.m	5~50N.m	22~220N.m	55~550N.m	220~2200N.m
Accuracy	±1%(clockwise and counter-clockwise)				
Resolution	0.001N.m	0.01N.m	0.1N.m	0.1N.m	1N.m
Square socket (L)	1/4"	3/8"	1/2"	3/4"	1"
Power supply	built-in rechargeable battery				
Adaptor	no	3/8" to 1/4"	1/2" to 3/8" 3/8" to 1/4"	3/4" to 1/2" 1/2" to 3/8"	1" to 3/4" 3/4" to 1/2"
Transducer dimension	60x60x47mm	89x89x65mm	109x109x73mm	140x140x97mm	160x160x116mm
Weight	0.7kg	1.1kg	1.4kg	2.8kg	4.7kg

STANDARD DELIVERY

Main unit	1pc
Transducer with 1m cable	1pc
AC/DC adapter	1pc
USB cable and software	1pc
Adaptor	refer to the left

DIGITAL TORQUE SCREWDRIVER

MANUFACTURER INSPECTION CERTIFICATE

quick release clamp
crosshead
calibration port
buttons
LCD display
red alarm LED
buzzer
green alarm LED

size of shank (L)

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

SPECIFICATION

Code		IST-SD50	IST-SD200	IST-SD400
Price(₹)		25059	25059	25059
Range		10~50cN.m	40~200cN.m	80~400cN.m
Accuracy	clockwise	±3%	±2.5%	±2.5%
	counter-clockwise	±4%	±3.5%	±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

SMALL RANGE DIGITAL TORQUE WRENCH

clockwise/counter-clockwise switch
calibration port
buttons
LCD display
red alarm LED
buzzer
green alarm LED
square driver

IST-WP20

MANUFACTURER INSPECTION CERTIFICATE

- 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 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
- Non-slip grip handle
- With overload record (once the torque reaches 110% of the maximum range)

SPECIFICATION

Code		IST-WP12	IST-WP20
Price(₹)		20609	20609
Range		2.4~12N.m	4~20N.m
Accuracy	clockwise	±3%	±3%
	counter-clockwise	±4%	±4%
Resolution		0.01N.m	0.01N.m
Size of shank (L)		1/4"	1/4"
Power supply		1xAAA battery	
Length		260mm	260mm
Weight		430g	430g

OPTIONAL ACCESSORY

Calibration cable	IST-W-CABLE

DIGITAL TORQUE WRENCH

- 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 overload record (once the torque reaches 110% of the maximum range)

clockwise/counter-clockwise switch
calibration port
LCD display
buzzer
square driver
red alarm LED
green alarm LED
buttons

MANUFACTURER INSPECTION CERTIFICATE

IST-W135A

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	18642
IST-W135A	27 ~ 135N.m		0.1N.m	3/8"		415mm	950g	19688
IST-W200A	40 ~ 200N.m		0.1N.m	1/2"		530mm	1.4kg	22248
IST-W340A	68 ~ 340N.m		0.1N.m	1/2"		650mm	1.6kg	24160
IST-W500A	100 ~ 500N.m	clockwise: ±2.5% counter-clockwise: ±3.5%	0.1N.m	3/4"		950mm	2.1kg	58433
IST-W850A	170 ~ 850N.m		0.1N.m	3/4"		1220mm	2.55kg	67271
IST-W1200A	240 ~ 1200N.m		1N.m	1"		1800mm	13kg	107052
IST-W1500A	300 ~ 1500N.m		1N.m	1"		1800mm	13kg	119894
IST-W2000A	400 ~ 2000N.m		1N.m	1"		1800mm	14kg	139846

OPTIONAL ACCESSORY

Calibration cable	IST-W-CABLE

TORQUE WRENCH

ACCURACY±3%

ATTENTION: CLOCKWISE OPERATION ONLY

MANUFACTURER INSPECTION CERTIFICATE

torque set lock ring
square driver
torque value

- According to DIN ISO 6789, ASME B107.300-2010

IST-2WM100

Set torque:

step 1: unlock

step 2: set

step 3: lock
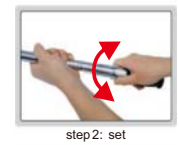
SPECIFICATION

Code	IST-2WM25	IST-2WM60	IST-2WM100	IST-2WM200	IST-2WM340	IST-2WM600	IST-2WM800
Price(₹)	7743	8341	9767	10076	10644	36388	42950
Range (clockwise)	5~25N.m	10~60N.m	20~100N.m	40~200N.m	60~340N.m	100~600N.m	150~800N.m
Accuracy	±3%	±3%	±3%	±3%	±3%	±3%	±3%
Graduation	0.2N.m	0.5N.m	0.5N.m	1N.m	2N.m	5N.m	5N.m
Square driver (D)	1/4"	3/8"	3/8"	1/2"	1/2"	3/4"	3/4"
Length	281mm	337mm	436mm	512mm	614mm	1050mm	1240mm
Weight	590g	760g	1320g	1580g	1800g	5030g	6110g

CODE NO. INDEX

CODE NO. INDEX

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