

# ACCUPUS<sup>®</sup>

## PLUS

ACCURATE MEASUREMENT



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### VERNIER CALIPERS

- ▶ With Fine Adjustment
- ▶ Graduation : 0.02 mm / 0.001"
- ▶ Meet DIN 862
- ▶ Satin chrome plated reading surface
- ▶ Made of stainless steel.



Code	Range	Accuracy
10-150	0-130mm	±0.03mm
10-200	0-180mm	±0.03mm
10-300	0-280mm	±0.03mm

### VERNIER CALIPERS LARGE SIZE (HEAVY DUTY)

- ▶ With Fine Adjustment
- ▶ Graduation:0.02mm/0.001"
- ▶ Meet DIN862
- ▶ Made of Spring steel



Code	Range	Accuracy
10B-600	0-600 mm	±0.06 mm
10B-1000	0-1000 mm	±0.08 mm
10B-1500	0-1500 mm	±0.11 mm
10B-2000	0-2000 mm	±0.11 mm

### DIAL CALIPERS

- ▶ Shockproof Dial Indicator
- ▶ Graduation : 0.02mm
- ▶ Made of Stainless steel



Code	Range	Accuracy
11 - 150	0-150 mm	±0.03 mm
11 - 200	0-200 mm	±0.03 mm
11 - 300	0-300 mm	±0.03 mm

- ▶ Shockproof Dial Indicator
- ▶ Graduation : 0.02mm
- ▶ Made of Spring steel



Code	Range	Accuracy
11 - 450	0-450 mm	±0.05 mm
11 - 600	0-600 mm	±0.05 mm
11 - 1000	0-1000 mm	±0.07 mm

### DIAL CALIPERS "M" TYPE

- ▶ Shockproof Dial Indicator
- ▶ Graduation : 0.02mm
- ▶ Made of Stainless steel



Code	Range	Accuracy
11A - 150	0-150 mm	±0.03 mm
11A - 200	0-200 mm	±0.03 mm
11A - 300	0-300 mm	±0.03 mm

### TEXTILE VERNIER CALIPERS

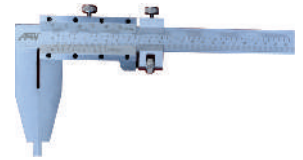
- ▶ Useful for roller distance setting for the textile industry



Code	Range	Accuracy
10T - 150	0-150mm	±0.05mm
10T - 200	0-200mm	±0.05mm
10T - 300	0-300mm	±0.04mm

### VERNIER CALIPERS LARGE SIZE (BASIC)

- ▶ With Fine Adjustment
- ▶ Graduation:0.02mm/0.001"
- ▶ Meet DIN862
- ▶ Made of Spring steel



Code	Range	Accuracy
10A-450	0-450 mm	±0.05 mm
10A-600	0-600 mm	±0.06 mm
10A-1000	0-1000 mm	±0.08 mm
10A-1500	0-1500 mm	±0.11 mm
10A-2000	0-2000 mm	±0.14 mm
10A-2500	0-2500 mm	±0.26 mm
10A-3000	0-3000 mm	±0.26 mm

### DIGITAL CALIPERS IP 54 METAL

- ▶ Ip54 Protection level
- ▶ Resolution:0.01mm/0.0005"
- ▶ Metal Digital Unit
- ▶ Automatic Power Off
- ▶ Made of Stainless steel
- ▶ Buttons: on/off, zero, mm/inch



Code	Range	Accuracy
13M - 150	0-150mm	±0.03mm
13M - 200	0-200mm	±0.03mm
13M - 300	0-300mm	±0.03mm

### DIGITAL CALIPERS WATER PROOF

- ▶ IP 67 Protection level
- ▶ Resolution:0.01mm/0.0005"
- ▶ Automatic Power Off
- ▶ Made of Stainless steel
- ▶ Buttons: on/off, zero/ABS, mm/inch



Code	Range	Accuracy
13WP - 150	0-150mm	±0.03mm
13WP - 200	0-200mm	±0.03mm
13WP - 300	0-300mm	±0.03mm

### DIGITAL CALIPERS "M" TYPE

- ▶ Resolution:0.01mm/0.0005"
- ▶ Automatic Power Off
- ▶ Made of Stainless steel
- ▶ Buttons: on/off, zero, mm/inch



Code	Range	Accuracy
13MT - 150	0-150mm	±0.03mm
13MT - 200	0-200mm	±0.03mm
13MT - 300	0-300mm	±0.03mm

### DIGITAL CALIPERS LARGE SIZE

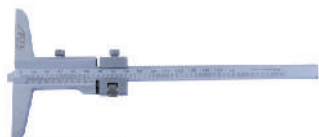
- ▶ Meet DIN862
- ▶ Made of Steel



Code	Range	Accuracy
13MT - 600	0-600mm	±0.05mm
13MT - 1000	0-1000mm	±0.08mm

### DEPTH VERNIER CALIPERS

- ▶ With Fine Adjustment
- ▶ Graduation: 0.02mm
- ▶ Made of Spring Steel



Code	Range	Accuracy
10D-150	0-150 mm	±0.03 mm
10D-200	0-200 mm	±0.03 mm
10D-300	0-300 mm	±0.04 mm
10D-600	0-600 mm	±0.05 mm
10D-1000	0-1000 mm	±0.07 mm

### DIGITAL DEPTH VERNIER CALIPERS

- ▶ Resolution: 0.01mm/0.0005"
- ▶ Automatic Power Off
- ▶ Made of steel
- ▶ Buttons: on/off, zero, mm/inch



Code	Range	Accuracy
10D-150A	0-150 mm	±0.03 mm
10D-200A	0-200 mm	±0.03 mm
10D-300A	0-300 mm	±0.03 mm
10D-600A	0-600 mm	±0.07 mm

### OUTSIDE MICROMETERS

- ▶ Graduation : 0.01mm
- ▶ Carbide Measuring Faces
- ▶ Ratchet Stop
- ▶ Supplied With Setting Rings Standard (Except 0-25mm)
- Meet DIN 863-1



Code	Range	Accuracy
20 - 025	0-25 mm	2µm
20 - 050	25-50 mm	2µm
20 - 075	50-75 mm	2µm
20 - 100	75-100 mm	3µm
20 - 125	100-125 mm	3µm
20 - 150	125-150 mm	3µm
20 - 175	150-175 mm	4µm
20 - 200	175-200 mm	4µm

### OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS

- ▶ Graduation : 0.01mm
- ▶ Ratchet Stop
- ▶ Carbide Measuring Faces
- ▶ Supplied With Setting Standards



Code	Range	Accuracy
20A - 100	0-100 mm	5µm
20A - 150	0-150 mm	6µm
20A - 200	100-200 mm	6µm
20A - 300	150-300 mm	9µm
20A - 300A	200-300 mm	9µm

### OUTSIDE MICROMETERS WITH INTERCHANGEABLE ANVILS TUBULAR TYPE

- ▶ Graduation : 0.01mm
- ▶ Ratchet Stop
- ▶ Carbide Measuring Faces
- ▶ Supplied With Setting Standards



Code	Range	Accuracy
20A - 400	300-400 mm	11µm
20A - 500	400-500 mm	13µm
20A - 600	500-600 mm	14µm
20A - 700	600-700 mm	16µm
20A - 800	700-800 mm	18µm

### DIGITAL OUTSIDE MICROMETER (ECONOMIC)

- ▶ Resolution : 0.001mm/0.00005"
- ▶ Button Function : ON/OFF, Set, mm/inch
- ▶ CR2032 Battery
- ▶ Carbide Measuring Faces



Code	Range	Accuracy
21P - 025	0-25 mm	2µm

### DIGITAL OUTSIDE MICROMETERS IP 65

- ▶ Resolution : 0.001mm/0.00005"
- ▶ IP65 Protection Level
- ▶ Button Function : origin, mm/inch, on/zero/abs,hold/data
- ▶ Automatic Power off ▶ Cr2032 Battery
- ▶ Carbide Measuring Faces ▶ Ratchet stop



Code	Range	Accuracy
21 - 025	0-25 mm	2µm
21 - 050	25-50 mm	2µm
21 - 075	50-75 mm	3µm
21 - 100	75-100 mm	3µm
21 - 125	100-125 mm	4µm
21 - 150	125-150 mm	4µm

### DIGITAL ADJUSTABLE OUTSIDE MICROMETERS

- ▶ Graduation : 0.001mm/0.00005"
- ▶ Ratchet Stop
- ▶ Carbide Measuring Faces
- ▶ Supplied With Setting Standards



Code	Range	Accuracy
21P - 150A	0-150 mm	6µm
21P - 300A	150-300 mm	8µm

### DOUBLE BALL TYPE TUBE MICROMETER

- ▶ Measure Wall Thickness of Tube
- ▶ Graduation : 0.01mm
- ▶ Ratchet Stop
- ▶ Carbide Measuring Faces
- ▶ Meet DIN 863-3



Code	Range	Accuracy
20B - 025	0-25 mm	4µm

### DEPTH MICROMETERS

- ▶ Graduation : 0.01mm
- ▶ Meet DIN 863-2
- ▶ Micrometer Head Accuracy : ±3µm
- ▶ Rod Accuracy : ±(2+L/75) µm
- ▶ Rods With Flat End
- ▶ Ratchet Stop



Code	Range	Accuracy
DM - 25	0-25 mm	3µm
DM - 150	0-150 mm	3µm

## INSIDE MICROMETERS

- ▶ Graduation : 0.01mm
- ▶ Ratchet Stop
- ▶ Carbide Measuring Faces



Code	Range	Accuracy	Setting Ring
22 - 30	5-30 mm	7μm	5 mm
22 - 50	25-50 mm	8μm	25 mm

## TUBULAR INSIDE MICROMETERS

- ▶ Graduation : 0.01mm
- ▶ Ratchet Stop
- ▶ Carbide Measuring Faces



Code	Range	Accuracy
22 - 250	50-250mm	13mm
22 - 600	50-600mm	13mm
22 - 1000	50-1000mm	13mm

## DISK MICROMETERS

- ▶ Measure Root Tangent Length of Gear
- ▶ Graduation : 0.01mm
- ▶ Ratchet Stop
- ▶ Supplied With Setting Standards
- ▶ Meet DIN 863-3



Code	Range	Accuracy
20C - 025	0-25 mm	4μm
20C - 050	25-50 mm	4μm
20C - 075	50-75 mm	5μm
20C - 100	75-100 mm	5μm

## BLADE MICROMETERS

- ▶ Measure The Groove Diameter of Shafts And Keyways
- ▶ Graduation : 0.01mm
- ▶ Non-Rotating Spindle
- ▶ Ratchet Stop
- ▶ Supplied With Setting Standards (Except 0-25mm)
- ▶ Meet DIN 863-3



Code	Range	Accuracy
BOM - 25	0-25 mm	4μm
BOM - 50	25-50 mm	4μm

## DIGITAL SNAP MICROMETER

- ▶ Absolute Function
- ▶ IP 65 Protection
- ▶ Carbide Tipped Anvils
- ▶ Quick Measuring Function
- ▶ Meet DIN 863
- ▶ Resolution : 0.001mm/0.00005"



Code	Range	Accuracy
DSM - 025	0-25 mm	4μm

## DIGIT COUNTER MICROMETER

- ▶ Graduation : 0.01mm
- ▶ Accuracy : ±0.04mm



Code	Range
DM - 25	0-25 mm

## POINT MICROMETERS

- ▶ Measure The Web Thickness of Drills,
- ▶ Small Grooves And Keyways
- ▶ Graduation : 0.01mm
- ▶ Ratchet Stop
- ▶ Carbide Tips



Code	Range	Accuracy
20D - 025 -15	0-25 mm	4μm
20D - 025 -30	0-25 mm	4μm

## SCREW THREAD MICROMETER WITH MEASURING TIPS

- ▶ Measure Pitch Diameter of Screw Threads
- ▶ Graduation : 0.01mm
- ▶ Non-Rotating Spindle
- ▶ Ratchet Stop
- ▶ Supplied With 60° Setting Standards



Code	Range
STM - 25	0-25 mm

## BORE GAUGES WITH DIAL

- ▶ Repeatability : 0.003mm
- ▶ Optional Accessory : Setting Ring
- ▶ Ceramic Anvils



Code	Range	Accuracy
30 - 010	6-10 mm	±0.012mm
30 - 018	10-18.5 mm	±0.012mm
30 - 050	18-50 mm	±0.018mm
30 - 060	35-60 mm	±0.018mm
30 - 160	50-160 mm	±0.018mm
30 - 250	160-250 mm	±0.018mm
30 - 400	250-400 mm	±0.018mm

## ZERO SETTER

- ▶ Magnetic Base
- ▶ Accuracy : ± 10μm
- ▶ Test Force : 9N (at 50mm)



Code	Height
ZS - 50	50 mm

## INSIDE DIAL CALIPERS

- ▶ Graduation : 0.01mm
- ▶ Accuracy : ±0.03mm

Code	Range
IDG - 25	5 - 25 mm
IDG - 30	10 - 30 mm
IDG - 40	20 - 40 mm
IDG - 60	40 - 60 mm



- ▶ Graduation : 0.01mm
- ▶ Accuracy : ±0.04mm

Code	Range
IDG - 35	15 - 25 mm
IDG - 55	30 - 55 mm
IDG - 75	55 - 75 mm
IDG - 95	75 - 95 mm



## DIAL INDICATOR (HEAVY DUTY)

- ▶ Graduation: 0.01mm
- ▶ Rang per revolution :1mm
- ▶ Dial Reading 0-100
- ▶ Lug Back with spare flat back
- ▶ Supplied With Lug And Flat Back



Code	Range	Accuracy	Dial Dia
40 - 10A	0-10 mm	17µm	58 mm

## DIAL INDICATORS

- ▶ Graduation: 0.01mm
- ▶ Rang per revolution :1mm
- ▶ Dial Reading 0-100
- ▶ Lug Back with spare flat back
- ▶ Supplied With Lug And Flat Back



Code	Range	Accuracy	Dial Dia
40 -25A	0-25 mm	35µm	58 mm
40 -50A	0-50mm	50µm	58 mm

## PRECISION DIAL INDICATOR

- ▶ Graduation : 0.001mm
- ▶ With Lug Back
- ▶ Supplied With Lug And Flat Back



Code	Range	Accuracy	Dial Dia
40 - 001	0-1 mm	5µm	58 mm

## PUPPET DIAL/DIAL TEST INDICATOR

- ▶ Jeweled Bearing
- ▶ Carbide Contact Point
- ▶ Anti Magnetic Copper Body
- ▶ With Two Clamps : Ø4mm And Ø8mm
- ▶ Graduation 0.01 mm
- ▶ Meet DIN2270



Code	Range	Accuracy
40 - 080	0-8 mm	13µm

## DIAL THICKNESS GAUGES

- ▶ Meta/Ceramics/Tips



Code	Range	Accuracy	Graduation
40 - 010	0-10 mm	±0.02mm	0.01mm
40 - 001	0-1 mm	±0.005mm	0.001mm

## DIGITAL THICKNESS GAUGES (ECONOMIC)

- ▶ Metal / Ceramic Spindle tip and anvil
- ▶ Buttons : on/off, zero, mm/inch
- ▶ Battery CR 2032
- ▶ Automatic Power Off



Code	Range	Resolution	Accuracy
45 - 010	0-12.7mm	0.1mm	±0.02mm
45 - 025	0-25.4mm	0.01mm	±0.02mm
45 - 10A	0-12.7mm	0.001mm	±0.005mm
45 - 25A	0-25.4mm	0.001mm	±0.005mm

## DIGITAL INDICATORS (ECONOMIC)

- ▶ Resolution : 0.01mm/0.0005"
- ▶ Button Function : on/off, inch/mm, zero
- ▶ With Lug Back



Code	Range	Accuracy
50 - 012	0-12.7mm	20µm
50 - 025	0-25.4mm	20µm

## DIGITAL INDICATORS MICRON (ECONOMIC)

- ▶ Resolution : 0.001mm 0.00005"
- ▶ Button Function : on/off, inch/mm, zero
- ▶ With Lug Back



Code	Range	Accuracy
51 - 012	0-12.7 mm	5µm
51 - 025	0-25.4 mm	5µm

## DIGITAL INDICATORS (PREMIUM)

- ▶ Resolution : 0.01mm/0.0005"
- ▶ Button Function : on/off, inch/mm, zero
- ▶ With Lug Back



Code	Range	Accuracy
55 - 012	0-12.7mm	20µm
55 - 025	0-25.4mm	20µm
55 - 050	0-50.4mm	30µm

## DIGITAL INDICATOR MICRON (PREMIUM)

- ▶ Resolution : 0.001mm 0.00005"
- ▶ Button Function : on/off, inch/mm, zero
- ▶ With Lug Back



Code	Range	Accuracy
56 - 012	0-12.7 mm	6µm

## P TYPE DIAL THICKNESS GAUGE

- ▶ Graduation : 0.05 mm
- ▶ Accuracy : ±0.1mm



Code	Range
PG - 10	0-10 mm

## P TYPE DIGITAL THICKNESS GAUGE

- ▶ Graduation : 0.01 mm
- ▶ Accuracy : ±0.1mm



Code	Range
DPG - 25	0-25 mm

### DIAL SURFACE PROFILE GAUGE

- ▶ Graduation : 0.001mm
- ▶ Pointed Tips
- ▶ Accuracy : ±20µm
- ▶ With Wooden Box



Code	Range
SPG	0-1 MM

### DIGITAL SURFACE PROFILE GAUGE

- ▶ Resolution : 0.001mm
- ▶ Pointed Tips
- ▶ Accuracy : ±5µm
- ▶ With Wooden Box



Code	Range
DSPG	0-12.7 mm

### DIAL DEPTH GAUGE

- ▶ Dial Indicator Stroke : 30mm
- ▶ Dial Indicator Resolution : 0.01mm
- ▶ Stainless Steel Base
- ▶ Extension Rods : 12.5mm(1pc.), 25mm(1pc.), 50mm(1pc.), 75mm(1pc.), 100mm(2pcs.)
- ▶ Supplied With Pointed Tip And Ball Tip



Code	Range	Accuracy
48 - 300	0-300 mm	±0.02mm

### DIGITAL DEPTH GAUGE (ECONOMIC)

- ▶ Digital Indicator Stroke : 12.7mm
- ▶ Digital Indicator Resolution : 0.01mm
- ▶ Button Function : ON/OFF, Zero, mm/inch, CR 2032 Battery, Automatic Power Off
- ▶ Steel Base
- ▶ Extension Rods : 12.5mm(1pc.), 25mm(1pc.), 50mm(1pc.), 75mm(1pc.), 100mm(2pcs.)
- ▶ Supplied With Pointed Tip or Ball Tip



Code	Range	Accuracy
48 - 300A	0-300 mm	±0.02mm

### DIGITAL HEIGHT GAUGES WHEEL TYPE

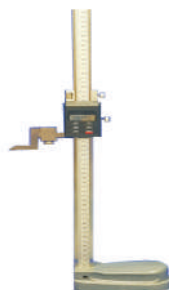
- ▶ Resolution : 0.01mm/0.0005"
- ▶ Button: on/off, inch/mm
- ▶ Made of Stainless Steel
- ▶ Carbide Tipped Scriber
- ▶ With Clamps (8mm Holder)
- ▶ Battery CR 2032



Code	Range	Accuracy
81 - 012	300mm/12"	±0.03mm
81 - 024	600mm/24"	±0.05mm

### DIGITAL HEIGHT GAUGES SINGLE COLUMN (ECONOMIC)

- ▶ Resolution : 0.01mm/0.0005"
- ▶ Button: on/off, inch/mm,
- ▶ Carbide Tipped Scriber
- ▶ With Clamps (8mm Holder)



Code	Range	Accuracy
84 - 012	300mm/12"	±0.04mm
84 - 024	600mm/24"	±0.05mm
84 - 040	1000mm/40"	±0.07mm

### MAGNETIC STANDS

- ▶ Applicable Holding Stem: Ø8mm , Ø4mm, 3/8" Dia.
- ▶ For Dial/Digital Indicator And Dial Test Indicators



Code	Magnetic Force	Remark
40 - 060 - 1	60 kgf.	With Fine
40 - 060 - 2	60 kgf.	W/O Fine

### UNIVERSAL MAGNETIC STAND

- ▶ Applicable Holding Stem : Ø8mm
- ▶ For Dial/Digital Indicator And Dial Test Indicators
- ▶ With Fine Adjustment And Dovetail Groove



Code	Magnetic Force
40 - 080 - 1	80 kgf.

### MICROMETERS STAND

- ▶ Suitable For Micrometers Up to 100mm



Code
MMS

### HEIGHT GAUGES

- ▶ Graduation:0.02mm/0.001"
- ▶ Move Main Scale to set zero
- ▶ Carbide Tipped Scriber
- ▶ Satin Chrome Plated Scale With Magnifier



Code	Range	Accuracy
80 - 012	300mm/12"	±0.04mm
80 - 024	600mm/24"	±0.05mm
80 - 040	1000mm/40"	±0.07mm

### DIAL HEIGHT GAUGES

- ▶ Indicator Graduation : 0.01mm
- ▶ Carbide Tripped Scriber
- ▶ Made of Stainless Steel



Code	Range	Accuracy
82 - 012	300mm/12"	±0.04mm
82 - 024	600mm/24"	±0.05mm

### TELESCOPIC GAUGE

- ▶ 6 Gauges Per Set
- ▶ For Quick Measurement of Inside Diameter of Holes and Width of slots



Code	Range
TG - 150	8 - 150 mm

## DIGITAL ANGLE PROTRACTOR

- ▶ Aluminum Frame
- ▶ Magnetic Bottom
- ▶ Buttons: on/off
- ▶ Use as level or protractor
- ▶ Resolution : 0.1°
- ▶ Accuracy : at 00 and 90° :±0.1°
- ▶ Other : ±0.2°



Code	Range
DLP - 90	4 x 90°

## DIGITAL LEVEL AND PROTRACTOR

- ▶ Aluminum Frame
- ▶ Magnetic Bottom with V-groove for shafts
- ▶ Buttons: on/off
- ▶ Use as level or protractor
- ▶ Resolution : 0.05°
- ▶ Accuracy : at 00 and 90° :±0.1°
- ▶ Other : ±0.2°



IP 65

Code	Range
DLP - 360	0- 360° (4 x 90°)

## COMBINATION SET

- ▶ Protector : Used to set an angle or angle measurement, measuring range : 0-180°, accuracy : ±7'
- ▶ Square : Used as 90° or 45°square
- ▶ 90° square accuracy : ±8', 45° square accuracy : ±10'
- ▶ Rule : Used as rule range : 300mm/12"
- ▶ Center finder : Used to find the cylinder center, Accuracy : ±0.15mm



Code	Range
CS - 180	0 - 180°

## UNIVERSAL BEVEL PROTRACTOR

- ▶ Parallax-Free Reading
- ▶ With one 300mm Blade
- ▶ Made of Stainless Steel
- ▶ Graduation : 5'



Code	Range	Accuracy
UBP-360	0-360°	±7'

## DIGITAL BEVEL PROTRACTOR

- ▶ Display in Degree and Degree /Min. / Sec.
- ▶ Set Button : Preset The Reading
- ▶ Mode Button : Choose 0~90°, 0~180° Or 0~360° Display
- ▶ ZERO/ON/OFF Button : Zero And Power on/off
- ▶ Supplied With Square Set 90°
- ▶ Made of Stainless Steel



Code	Range
DUBP - 360	0-360°

## DIGITAL MEASURING TAPE

- ▶ Graduation : 0.01mm
- ▶ Accuracy : ±0.04mm
- ▶ Range : 5 mtr.



Code
DMT 5

## DIGITAL SCALE PROTRACTORS

- ▶ Accuracy : ±0.3°
- ▶ Buttons : ON/OFF, Zero
- ▶ With Clamping Screw To Lock The Blades
- ▶ Graduation Of Blades : 1mm And 1/32"
- ▶ Made Of Stainless Steel
- ▶ CR2032 Battery, Automatic Power Off



Code	Size (L)	Range	Resolution
DSP - 008	200 mm	0-360°	0-1°
DSP - 012	300 mm	0-360°	0-1°

## DIGITAL LEVELS /INCLINOMETER

- ▶ With Transverse and Longitudinal Vials
- ▶ Used as Level and Protector
- ▶ Aluminum Frame Magnetic Bottom
- ▶ Buttons: on/off, Absolute and Incremental Measurement, Keep the Reading, unit(mm/m, %, in/ft).
- ▶ Accuracy : ±0.10 (Vertical and horizontal), ±0.20 (Other direction)



Code	Size (L)	Range	Resolution
DL - 225	225 mm	0-360° (4 x 90°)	0-1°
DL - 400	400 mm	0-360° (4 x 90°)	0-1°

## 90° BEVELED EDGE SQUARES

- ▶ Meet DIN 875, Grade 00
- ▶ Beveled edges for inside and outside measurement
- ▶ Hardened



Code	Size (L x W)
BES - 100	100 x 70 mm
BES - 150	150 x 100 mm
BES - 200	200 x 130 mm
BES - 300	300 x 200 mm

## PRECISION BLOCK LEVELS

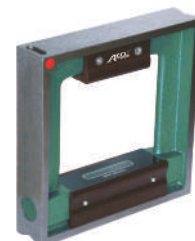
- ▶ V-groove on Bottom for Shafts
- ▶ With Transverse Via
- ▶ For use in Setting Machined Surfaces
- ▶ Precisely Horizontal
- ▶ Sensibility: 0.02mm/m per Division



Code	Range
BL - 150	150mm
BL - 200	200mm
BL - 300	300mm

## SQUARE / FRAME LEVELS

- ▶ V-groove on Bottom for Shafts
- ▶ With Transverse Via
- ▶ For use in Setting Machined Surfaces Precisely Horizontal
- ▶ Sensibility: 0.02mm/m per Division



Code	Range
SL - 150	150x150mm
SL - 200	200x200mm
SL - 300	300x300mm

## GAUGE BLOCK SETS

- ▶ Made of Alloy Steel
- ▶ Meet ISO 3650
- ▶ Grade 2



Code	Block Set
GB - 32	32
GB - 38	38
GB - 83	83
GB - 87	87
GB - 112	112

## BRIDGE CAM WELD GAUGE

- ▶ Adjustable Scale To Compensate Pointer Wear
- ▶ Made of Stainless Steel



Measurement	Range
Crown Height	0-25mm (0-1")
Fillet Weld Leg Height	0-25mm (0-1")
Misalignment (Hi- Low)	0-25mm (0-1")
Undercut Depth	0-2mm (0-1/8")
Fillet Weld Throat Size	0-20mm (0-3/4")
Angle of Preparation	0-60°
Length	0-60mm (.02")

## HI-LOW WELD GAUGE

- ▶ Adjustable Scale To Compensate Pointer Wear
- ▶ Made of Stainless Steel



Measurement	Range
Bevel on end Preparation	37.5"
Pipe wall Thickness	0-45mm
Internal Misalignment	0-35mm
Fit-up Gape	1.6mm, 2.4mm
Crow Height	0-35mm
Distance Between tow marketing	
Lines of socket weld	0-60mm
Fillet Weld Length	0-30mm
Fillet weld Height	0-35mm

## FILLET WELD GAUGE

- ▶ Measure concave and convex weld size
- ▶ 7 Blades are included
- ▶ Made of Stainless Steel
- ▶ Accuracy ±0.5mm



Code	Range
LFWG	3 - 25 mm

## TAPER GAUGE

- ▶ Measure Opening, Slot Width, Hole Diameter, etc.
- ▶ Diameter Correction Table On The Back
- ▶ Made of Stainless Steel



Code	Range
ATG -15	1 - 15 mm

## FEELER GAUGES

- ▶ Made of alloy steel
- ▶ Meet DIN2275
- ▶ Accuracy : ±(3+T/80)µm



Code	Range	Length
FG26 -100	0.03- 1mm	100mm
FG26 -150	0.03- 1mm	150mm
FG26 -225	0.03- 1mm	225mm
FG26 -300	0.03- 1mm	300mm

## LED TABLE MAGNIFIER LENS - ACCU 9006

- ▶ Lamp working voltage : DC5V
- ▶ Light : 6LED
- ▶ Rechargeable battery : 400mAh Lithium Cell
- ▶ Power : 0.5W
- ▶ Lens : Acrylic
- ▶ Diopter (X) : 3D, 8D
- ▶ Luminance : 30Lm
- ▶ Lux : 120Lux
- ▶ Colour Temperature : 6000K
- ▶ Source Life : 25000h
- ▶ Switch : Single Point Touch Capacitive switch, with PWM dimmer



Code
ACCU - 9006

## LED TABLE MAGNIFIER LENS - ACCU 9007

- ▶ Lamp working voltage : DC 12 V
- ▶ Adapter working voltage : AC 100-250 , 50/60 Hz
- ▶ Power : 6 W
- ▶ Magnifier : Glass
- ▶ Diopter (X) : 5D , 12D
- ▶ Luminous flux : 550 LM
- ▶ Illuminance : 2200 Lux
- ▶ Colour Temperature : 6000 K
- ▶ Source life : 25000 h
- ▶ Plywood thickness required : <44 mm
- ▶ Switch : Single point touch capacitive switch
- ▶ Dimming Mode : Non dimming / PWM



Code
ACCU - 9007

## MAGNIFIER WITH ILLUMINATION-ACCU-9008

- ▶ Magnification 8x
- ▶ Glass lens
- ▶ Powered by 2xAAA batteries



Code
ACCU - 9008

## TELESCOPING INSPECTION MIRRORS

- ▶ Mirror Diameter - 1-1/4" / 2"
- ▶ Telescopic From - 8" to 35"
- ▶ The Material is Stainless Steel



Code
IM 01
IM 07A LED

## DIGITAL PORTABLE LEEB HARDNESS TESTERS



TH270A      MHT100      MHT170      TH110A

Code
TH270A
TH110A
MHT170
MHT100

- ▶ Measuring Range : (170-960) HLD, (17-68.5) HRC, (19-651) HB, (80-976) HV, (30-100) HS, (59-85) HRA, (13-100) HRB
- ▶ Hardness Scale : HL, HB, HRB, HRC, HRA, HV, HS

## DIGITAL SURFACE ROUGHNESS TESTERS



Accu 210      Accu 200      Accu 120

Code
ACCU 120
ACCU 200
ACCU 210

- ▶ Measuring Unit :  $\mu\text{m}$ ,  $\mu\text{in}$
- ▶ Probe Type : Piezoelectric
- ▶ Probe Stylus Radius/angle :  $10\mu\text{m}/90^\circ$
- ▶ Probe stylus material : Diamond

## DIGITAL ULTRASONIC THICKNESS GAUGES



UTG111      UTM9      UTG222A/UTG222+

Code	Range
UTM9	1 - 225 mm/0.1 mm
UTG222A	0.75-600 mm/0.01mm
UTG111	0.75-300 mm/0.1mm

- ▶ This unit is suitable for Measuring Materials that are Good Ultrasonic conductor such as Metal, Plastic, Ceramic, Glass etc.,

## DIGITAL COATING THICKNESS GAUGES



DFT222      ACCU 111A      ACCU 456B      ACCU 456/456A

Code	Range
DFT222	0-2000 $\mu\text{m}/\text{FN}$
ACCU456	0-1500 $\mu\text{m}/\text{F}$
ACCU456A	0-1500 $\mu\text{m}/\text{FN}$
ACCU456B	0-1500 $\mu\text{m}/\text{FN}$
ACCU111A	0-5000 $\mu\text{m}/\text{F}$ 0-3000 $\mu\text{m}/\text{N}$

- ▶ Measuring principle Magnetic Induction(F); Eddy Currents(NF)

## RUBBER HARDNESS TESTERS



Digital      Export      Shore C      Basic

Code
Shore A Basic
Shore A Export
Shore D Basic
Shore D Export
Shore C

Code
Shore A Digital
Shore D Digital
Shore C Digital

## WET FILM THICKNESS GAUGES

Code	Range
Aluminum	25-3000 $\mu\text{m}$
SS	25-3000 $\mu\text{m}$



## CROSS HATCH CUTTER

Code
Adhesion Tape
Dust Tape
Adhesion Tape Kit
Dust Tape Kit



## DIGITAL GLOSS METERS

Code	Range
GLOSS 11	60°
GLOSS 111	60°
GLOSS 333	20°/60°/85°



GLOSS 11      GLOSS 111/333

## FORCE GAUGES

Code	Range
Dial Type	500 N
Digital Type	500 N



## PENCIL HARDNESS TESTER

Code
PHT1



### DIGITAL INFRARED THERMOMETERS



Code	Range
MT5	-50 to 550°C
MT11	-30 to 1150°C
MT16	-30 to 1650°C

### DIGITAL LASER DISTANCE METERS

▶ Unit: m/in/ft

Code	Range
DLM 40	40 mtr.
DLM 60	60 mtr.
DLM 80	80 mtr.
DLM 100	100 mtr.



### DIGITAL WOOD MOISTURE METERS

- ▶ The Instrument is a delicate one, which used to Measure the containing water of wood, bamboo, cotton, tobacco etc.
- ▶ High resolution and response quickly

Code
MD - 2G
MM - IIL



### GRAIN MOISTURE METER - GMM7002XL

- ▶ This Instrument is a grain moisture tester which can measure moisture content of multiple kinds of grains fast. It applies to allocation, procurement, storage and processing of grains.

Code
GMM7002XL



### K TYPE THERMOMETER ACCU 305

- ▶ Measuring Range : -200~1372°C

Code
ACCU 305



### DIGITAL BOROSCOPES (ECONOMIC)

- ▶ Screen Size : 2.4" TFT LCD
- ▶ Power Supply : AA x 4 batteries (1.5Vx4)
- ▶ 9 mm Mini waterproof camera,
- ▶ 1 meter flexible extension tube.

Code	Price - ₹
8898	11500
9018	13500



### MULTI STEAM THERMOMETER ST-9283B

- ▶ Temperature Range - -50°C to 300°C
- ▶ Accuracy - -50°C to 200°C ±1°C, >200°C ±2°C
- ▶ Resolution - 0.1°C
- ▶ Measurement Interval - 1 Second
- ▶ Temperature upper/lower limit alarm
- ▶ Low battery indicator
- ▶ Battery - 1.5V Battery ("AAA")

Code
ST- 9283 B



### DIGITAL HYGROMETER HTC-1

- ▶ Temperature Measurement Range : -10°C~+50°C(-14°F~122°F)
- ▶ Temperature Measurement Precision : ±1°C(1.8°F)
- ▶ Humidity Measurement Range : 10%RH ~ 99%RH
- ▶ Humidity Measurement Precision : ±5%RH
- ▶ Humidity Resolution : 1%
- ▶ Battery : AAA 1.5V

Code
HTC - 1



### DIGITAL ANEMOMETERS

- ▶ Measurement of wind velocity, Temperature
- ▶ Velocity Unit: m/s, km/h, ft/m, knots
- ▶ Auto power off function

Code
ACCU - 4201
AVM 03



### DIGITAL LUX METERS

- ▶ Range : 0 to 50000/200000 Lux

Code
LX 101 A
LX 101 B



### DIGITAL SOUND/NOISE LEVEL METERS

- ▶ Range : 30 to 130dBA or 30 to 130dBA 35 to 130dBC

Code
SL 4010
SL 4001



### DIGITAL VIBRATION METERS

- ▶ Measuring Range
- Acceleration : 0.1~199.9m/s<sup>3</sup>
- Speed : 0.1~199.9m/s
- Displacement : 0.001~1.999mm P-P

Code
VB 8201
VB 8203



## 2D HEIGHT GAUGE

Code

ACCU 625

### SPECIFICATIONS

- ▶ Measuring Range : 625 mm
- ▶ Expandable Range : 825 mm
- ▶ Resolution : 0.0005 mm (Numeric Jena Scale, Germany)

### REPEATABILITY

- ▶ On planes : 0.002 mm
- ▶ On bores : 0.003 mm
- ▶ Accuracy : 2.5+(L/275), L in mm
- ▶ Squareness : 0.006 mm (Compensated Frontal)
- ▶ Weight : 27 Kg approximately
- ▶ Memory : 1000 steps
- ▶ Probing Force : 0.9 + 0.2 Newton's

### BASIC FUNCTIONS

- ▶ Automatic contacting of plane from above.
- ▶ Automatic contacting of plane from below.
- ▶ Automatic contacting of bore in up and down direction.
- ▶ Automatic contacting of shaft in down and up condition.
- ▶ Direct measurement of bore diameter and bore centre.
- ▶ Direct measurement of bore centre using conical stylus.
- ▶ Computing distance between 2 measured

### VALUES

- ▶ Computing symmetry between 2 measured values.
- ▶ Repeating a particular sequence.
- ▶ Automatic calculation between last two measured data.
- ▶ Measurement of run out.
- ▶ Measurement of groove, width and centre.
- ▶ Measurement with two references
- ▶ Measurement of minimum and maximum value relative to a surface
- ▶ Measurement of depths.

### 2D MEASUREMENT FUNCTION

- ▶ Distance and angle between two bores.
- ▶ Angle between 3 bores.
- ▶ Centre point and diameter of PCD circle.
- ▶ Skew function to arithmetically align the test piece.
- ▶ Squareness measurement with perpendicularity error < 8 microns
- ▶ Switch to measurement in the second axis.
- ▶ To assess co-ordinate in X and Y axis simultaneously.
- ▶ Measurement in Cartesian and polar coordinates
- ▶ Aligning a component using translation and rotation of XY Co- ordinate System Automatically.



### OPTIONAL PARTS

- ▶ Probe Set Box Of 10 Probes
- ▶ Squareness Probe 0 To 12mm (of Res. 0.0005mm)
- ▶ Thermal Digital Printer

## DIGITAL COLORIMETER

- ▶ Illuminating/Viewing Geometry : 45°/0°
- ▶ Measuring Aperture : Ø8mm
- ▶ Measurement End-face : Large stable end face and small concave-convex end face
- ▶ Detector : Silicon photoelectric diode
- ▶ Locating : Illuminating Locating/Cross Locating
- ▶ Color Space : CIEL\*a\*b\*C\*h\* CIEL\*a\*b\* CIEXYZ
- ▶ Color Difference Formula :  $\Delta E^*ab$   $\Delta L^*a^*b^*$   $\Delta E^*C^*h^*$
- ▶ Light Source : D65
- ▶ Light Source Device : LED blue light excitation
- ▶ Errors Between Each Equipment :  $\leq 0.80\Delta E^*ab$
- ▶ Storage : 100pcs standards 20000pcs samples
- ▶ Repeatability : Standard deviation within  $\Delta E^*ab$  0.08  
Average of 30 measurements of standard white plate
- ▶ Power source : Rechargeable lithium-ion battery 3.7V@3200mAh
- ▶ PC Software : CQCS3 Software

Code

Accu 145



**VIDEO BOROSCOPE ACCU 20**  
**AUTOMOTIVE ENDOSCOPES**

- ▶ Compatibility      Replicable consumable tungsten insertion tubes
- ▶ Tube Length        1mtr
- ▶ Probe Control      Mechanical 360° all-way articulation
- ▶ Bending Angle      Maximum 210°
- ▶ Illumination Type   Front LED light guiding (LED light life ≥30,000 hours)
- ▶ Illuminance        Maximum 20,000lx
- ▶ Brightness Level    Manual 7-level adjustment
- ▶ White Balance      Automatic white balance, central focus photometry and image processing technology to prevent surface exposure of bright objects
- ▶ Display              3.5 inch TFT daylight display, visible under sunlight
- ▶ Image Resolution    960\*720
- ▶ Document Format    Image: BMP / JPEG ; Video: Mp4
- ▶ Image Preview      List preview mode, full-screen view optional / time watermarking.
- ▶ Memory             Standard 8G capacity TF card, maximum support 32G
- ▶ Insertion Tube      Oil resistant and anti-corrosion
- ▶ Optional            Cooling equipment
- ▶ Probe Diameter     Ø6±0.1mm
- ▶ Pixels                690,000pixels
- ▶ Digital Zoom        Support real-time 4x zoom, 8x partial zoom when playback
- ▶ Probe Material      Titanium alloy protective shell
- ▶ Depth of Field      25-100mm



Code	Price - ₹
ACCU 20	1,51,000

**Video Boroscope - ACCU 40**  
**SUPER HD MEGAPIXEL INDUSTRIAL VIDEOSCOPE**

- ▶ Water proof Host IP55, probe Ip67
- ▶ Tube Length        1 - 6 mtr
- ▶ Probe Diameter     Ø2 / Ø2.8 / Ø3.8 / Ø4.2 / Ø4.8 / Ø6 mm
- ▶ Probe Control      Mechanical damping control
- ▶ Probe Material      Titanium alloy protective shell
- ▶ Probe Articulation   360° all-way
- ▶ Digital zoom        Support real-time 4x zoom, 8x partial zoom when playback
- ▶ Brightness Level    Manual 7-level adjustment
- ▶ Negative Function    Can be opened
- ▶ Cross Cursor Function Can be opened
- ▶ Display              3.5 inch TFT daylight display, visible under sunlight
- ▶ Photo/ Video        Pictures can be captured during recording
- ▶ Document Format    Image: BMP/JPEG Video: MP4
- ▶ Image Flip            180°
- ▶ Image Preview      List preview mode, full-screen view optional/ delete/ time watermarking
- ▶ Memory             Standard 8G capacity TF card, maximum support 32G
- ▶ Insertion tube      Oil resistant and anti-corrosion
- ▶ Compatibility        Replaceable consumable tungsten braided insertion tube



Code	Price - ₹
ACCU 40	On Request

**TERMS & CONDITION :**

- ▶ Price Ex-works.
- ▶ GST will be extra applicable.
- ▶ ACCU PLUS Registered Trademark Brand.
- ▶ Calibration Charge Extra.
- ▶ Warranty Twelve Month against mfg. defects.
- ▶ No Warranty for Spare and Probe and Battery
- ▶ Insurance Will be Extra as Applicable.
- ▶ Prices are Subject to Change without Prior Notice.
- ▶ Subject to Ahmedabad Jurisdiction.

**Dealer :**

**Thanki Engineering Solutions**

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