CALIPER

➤ **METROLOGY**® calipers come in brand new designs. Each model is uniquely made with new quality in innovations, function and precision. They are the ultimate market value you will find. We are confident that our products will fully satisfy your demand and earn your trust.

➤ Each of our brand new designed calipers is developed in Taiwan. Innovated design combines with the workmanship of Swiss. 100% quality control assurance is carried out in our calibration laboratory in Taiwan.

➤ Metrology calipers are made with hardened stainless steel hardness HRC 48-52. All parts are precision grinded and polished to ensure the requirements for absolute straightness, flatness, parallels, and rigidity.

➤ Each caliper is calibrated based on the measuring accuracy standards of ISO 3611, DIN 862 in Germany, JIS B7507 in Japan and JCC (Jingstone Calibration Center) in Taiwan. English calibration report is included with every caliper.

DIN 862 CALIPER ACCURACY STANDARDS

Measuring length(mm)	Scale minimum reading values		
	Vernier and Dial		Digital
	0.1 and 0.05mm	0.02mm	0.01mm
50	50	20	20
100	50	20	20
200	50	30	30
300	50	30	30
400	60	30	30
500	70	30	30
600	80	30	30
700	90	40	40
800	100	40	40
900	110	40	40
1000	120	40	40
1200	140	50	----
1400	160	50	----
1600	180	60	----
1800	200	60	----
2000	220	60	----

*MPE：Max Permissible Errors   UNIT:um(0.001mm)

JIS B7507 CALIPER ACCURACY STANDARDS

Measuring length(mm)	Scale minimum reading values	
	0.1 and 0.05mm	0.02 and 0.01mm
50	±0.05	±0.02
＞50 to 100	±0.06	±0.03
＞100 to 200	±0.07	±0.03
＞200 to 300	±0.08	±0.04
＞300 to 400	±0.09	±0.04
＞400 to 500	±0.10	±0.05
＞500 to 600	±0.11	±0.05
＞600 to 700	±0.12	±0.06
＞700 to 800	±0.13	±0.06
＞800 to 900	±0.14	±0.07
＞900 to 1000	±0.15	±0.07

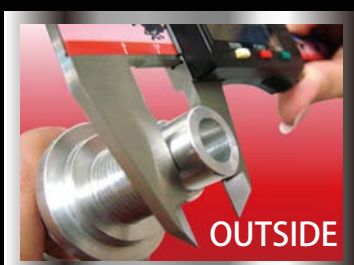*Permissible errors of calipers   UNIT：mm

Vernier   **Dial**   **Digital**

➤ The all new designed calipers come in Vernier, dial, and digital displays. Models with measuring range within 300mm are equipped with external, internal, depth and step measuring utilities. Other special models come with special utilities.

OUTSIDE   INSIDE   DEPTH   STEP

VERNIER CALIPER
BestVcal

METR⊙LOGY®

Precision. unique. innovation.

METROLOGY®

BestVcal
## VERNIER CALIPER

PRECISION   UNIQUE   INNOVATION

SATISFACTION
BEST CHOICE
GUARANTEED

internal jaws   clamp screw

Step

sliding scale   groove design

VC-9300

VC-9150
VC-9200

External jaws   curved pusher   laser engraved scales   main scale   depth rod
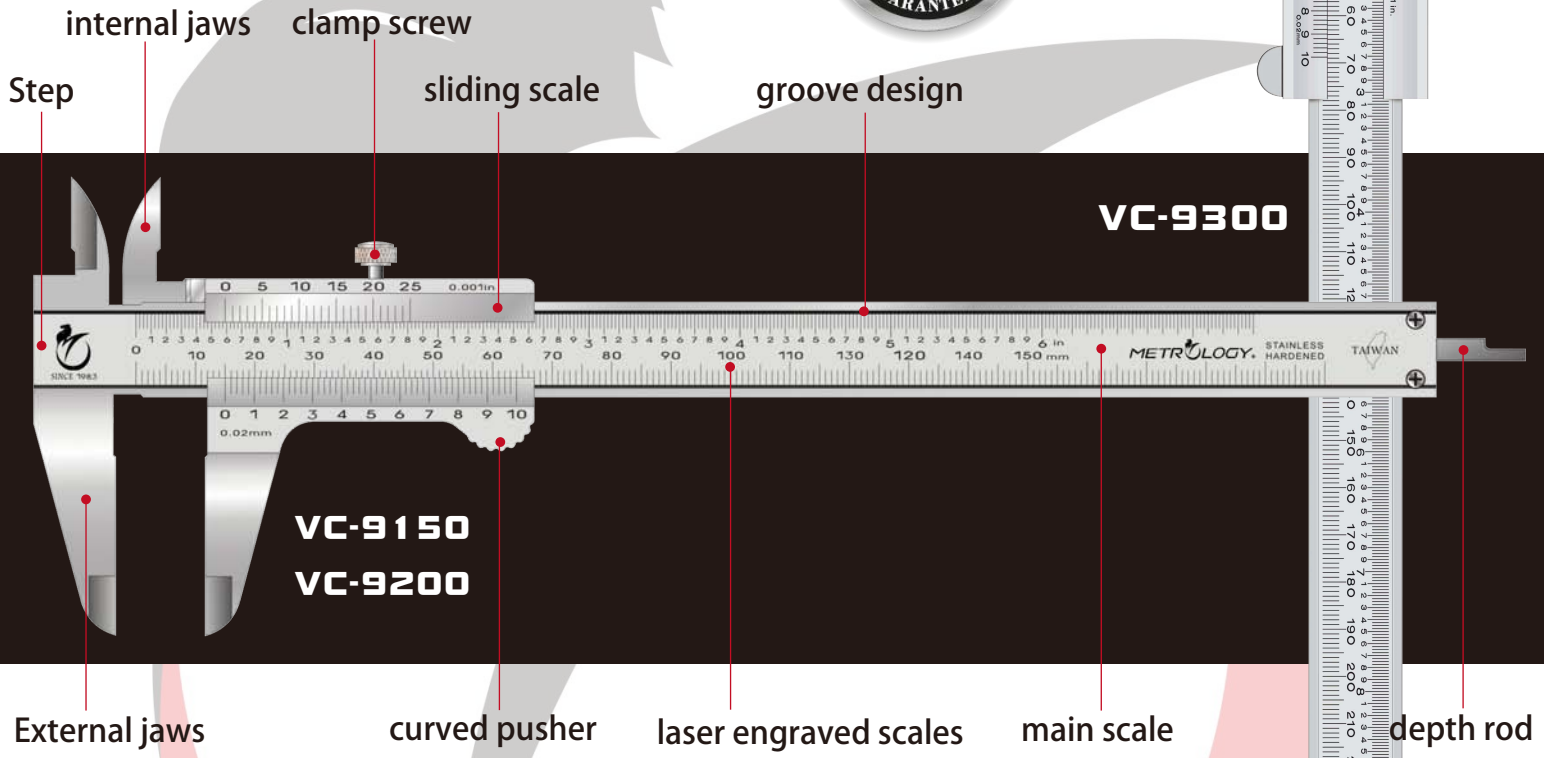
FEATURE

➤ 4 measuring utilities: external, internal, depth, and steps.

➤ Hardened stainless steel hardness HRC48-52 and close type sliding scale structure design.

➤ Solid structural design with precision machining, chrome plating surface, laser engraved scale, guarantee wear resistance.

➤ Ergonomic design curved pusher, external and internal jaws for easy to use and safety.

➤ Unique, innovative groove-design of main scale, for eliminating dust and grease, reduce sliding friction resistance.

Model No.	Measuring Range	Graduation	Accuracy (MPE)
VC-9150	0-150mm/6″		0.03mm/0.0010″
VC-9200	0-200mm/8″	0.02mm/0.001″	0.03mm/0.0010″
VC-9300	0-300mm/12″		0.04mm/0.0015″

Remark : VC-9300 Without groove design   MPE : Max Permissible Errors

METROLOGY ®
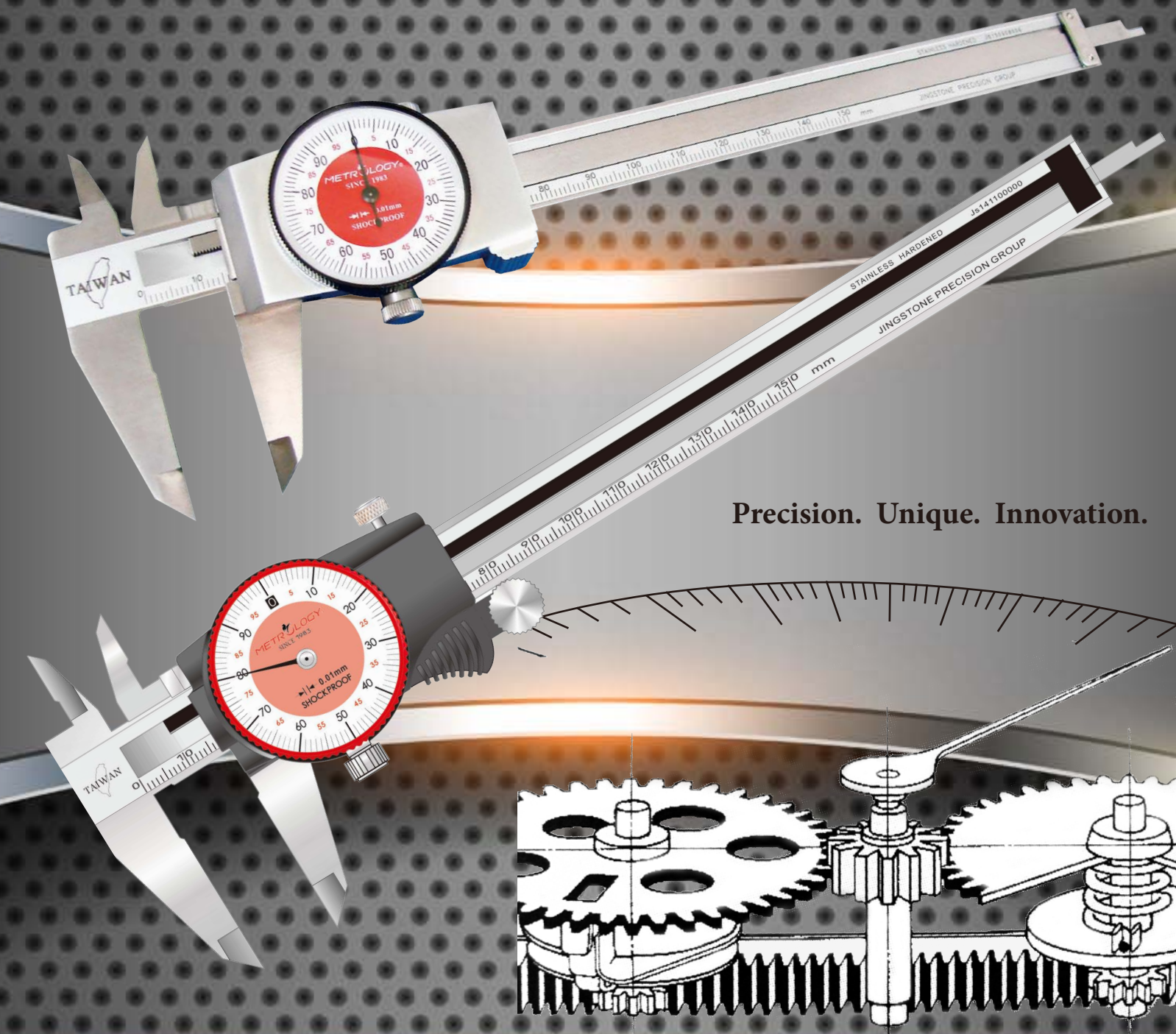
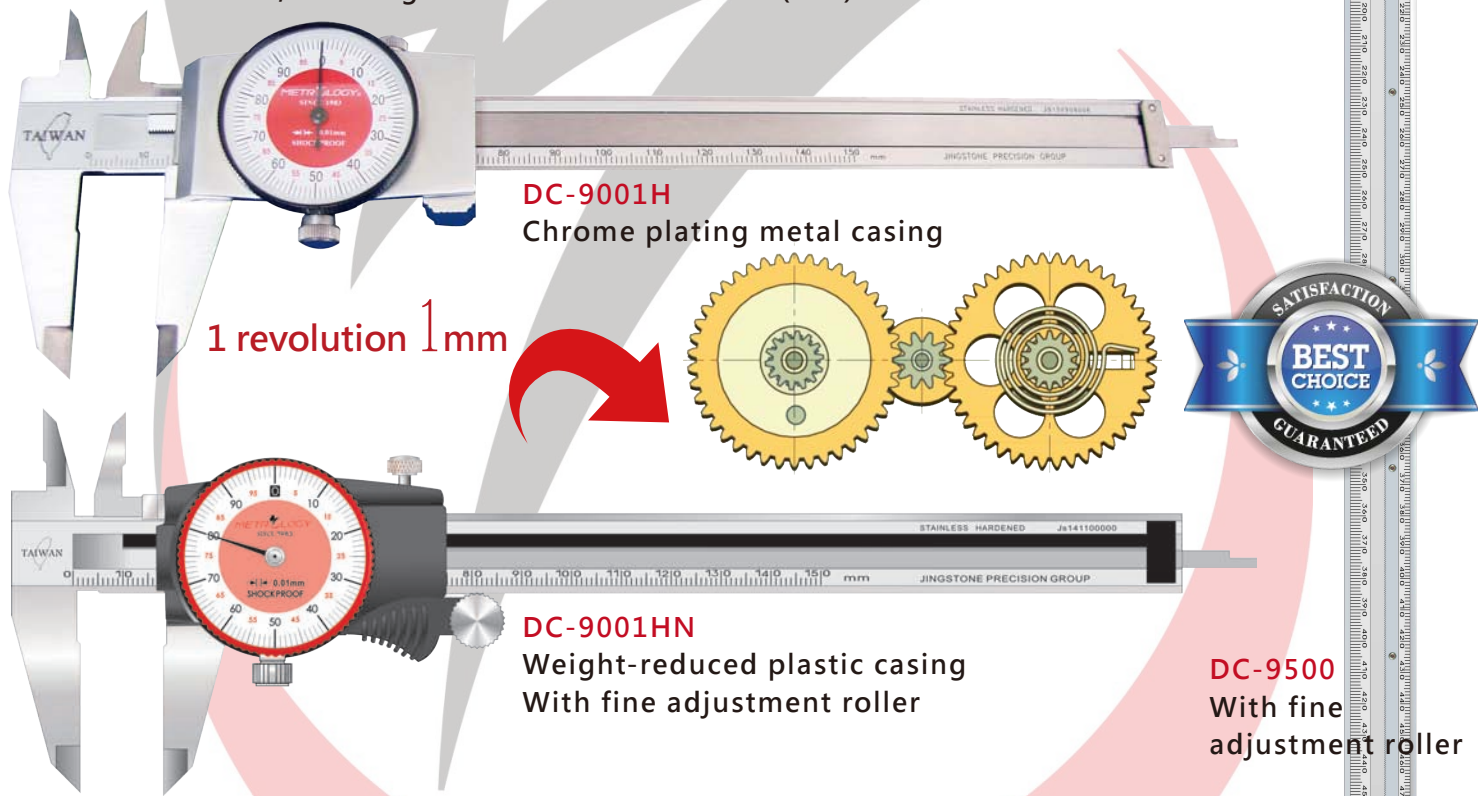Precision. Unique. Innovation.

TAIWAN DESIGN   **SWISS MODULE**   **D-SHOCKPROOF**

DIAL CALIPER

METROLOGY®

Swiss Style Dial Caliper
SHOCKPROOF

★ Metrology Swiss Style Dial Caliper utilized Swiss style gear module sets and double shockproof design. Made from hardened stainless steel hardness HRC48-52. It is a highly precise, highly accurate measuring tool.

★ All new uniquely design dial bezel and scale, pointer revolution 1mm graduation with sharp and easy readings. Greatly reduced eye-fatigue and vision errors.

★ Laser engraved scale, ensuring easy reading, its durability, and wear-tear resistance. The sliding scale makes use of enclosed structural design, low backlash, making sure smooth slides and warp-resistance.

★ Metrology Swiss Style Calipers are perfect for any workshops or quality control facilities. Each caliper comes with factory warranty and certificates according to German DIN 862, and Jingstone Calibration Center(JCC) standard in Taiwan.

DC-9001H
Chrome plating metal casing

1 revolution 1mm

DC-9001HN
Weight-reduced plastic casing
With fine adjustment roller

DC-9500
With fine adjustment roller

SATISFACTION
BEST CHOICE
GUARANTEED

| Model No.	Measuring Range	Graduation	Accuracy (MPE)	Remark
DC-9001H	0-150mm		0.02mm	
DC-9002H	0-200mm	0.01mm	0.03mm	Chrome-plated metal housing
DC-9003H	0-300mm		0.04mm	
DC-9001HT	0-150mm		0.02mm	Chrome-plated metal housing.
DC-9002HT	0-200mm	0.01mm	0.03mm	Tungsten Steel Measuring Jaw
DC-9003HT	0-300mm		0.04mm	(inner & ext.)
DC-9001HN	0-150mm		0.02mm	
DC-9002HN	0-200mm	0.01mm	0.03mm	Light-weight plastic housing. With fine -adjustment roller.
DC-9003HN	0-300mm		0.04mm	
DC-9500	0-500mm	0.02mm	0.05mm	With fine- adjustment roller.

CALIPER

METROLOGY®

DIGITAL CALIPERS

Precision. Unique. Innovation.

Digital Caliper
VELOCITY SERIES
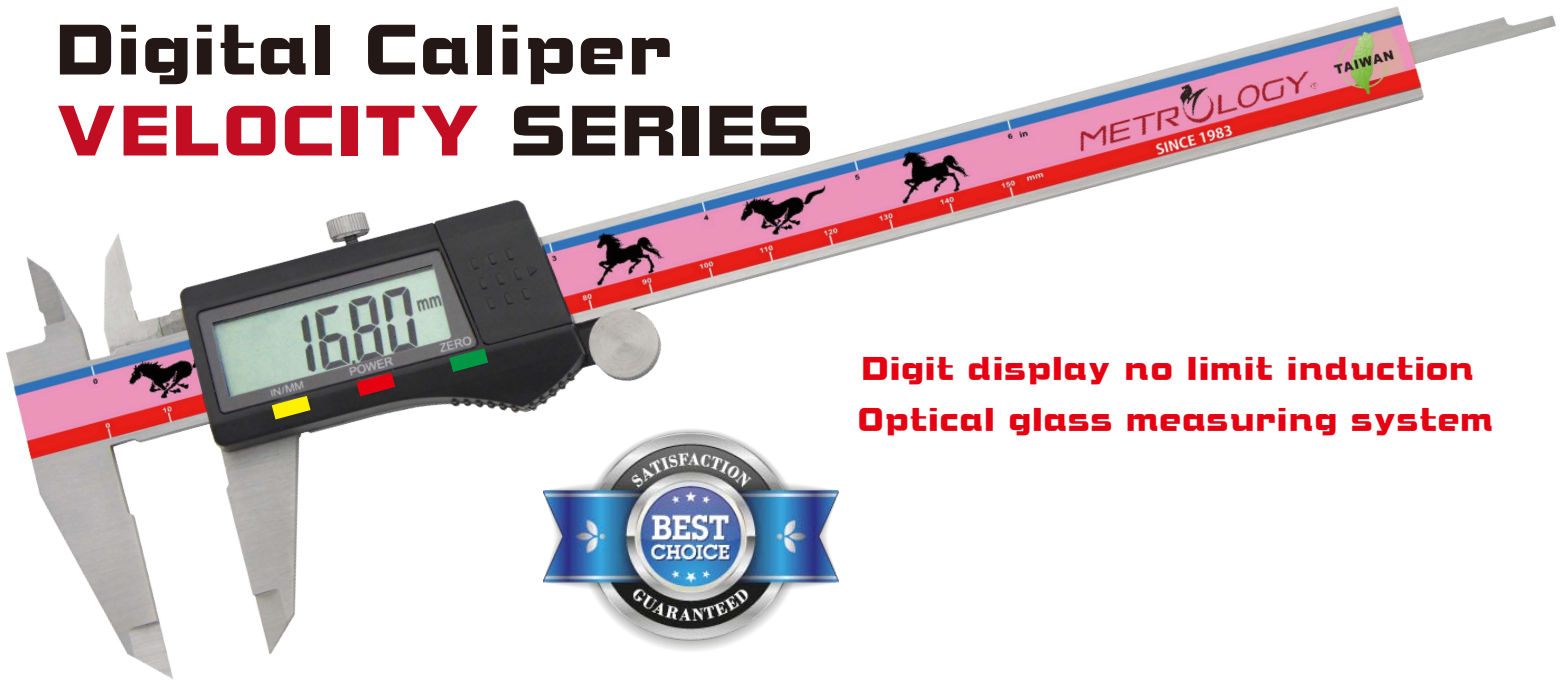
**Digit display no limit induction**
Optical glass measuring system

◆ Metrology Velocity Series digital calipers features the latest rapid-induction scan chip for value-reading system. Automatically memorize measurement value at any time and any position, whether it's power on or power off. The display functions normally regardless fast sliding. Durable, stable, longer operation life.

◆ Composite Optical Glass Capacitive Sensing Raster Measuring System which is a step-up from the traditional brass raster measuring scale. The new system prevents magnetic interference. Variation of temperature does not influent the measuring accuracy, also the display unit function normally in humid conditions.

◆ High quality enclosed sliding structure, main scale is integrated, made of hardened stainless steel, hardness HRC 48-52. Precision lapping measuring face, accuracy is according to Germany DIN, Japan JIS, ISO and JCC Taiwan.

◆ European styling ergonomic design curved pusher and thumb roller to assure the stability and comfort.

◆ LR44 1.5 Battery, plastic display case and fasten slider type battery cover for safe and easy battery replacement as well as ensuring proper contact with electricity.

◆ 10 mm super large display/ Sharp display and easy to read, reduce eye fatigue and vision error.

◆ Button functions ■ POWER：1.Power-on automatically by moving the slider, or manually by pressing the button
　　　　　　　　　　　　2.auto power down after idle ■ MM/IN : Metric and Imperial conversion
　　　　　■ ZERO：setting zero at any position

Hardened stainless steel precision lapping

LR44 battery fasten slider type battery cover

Roller and curved pusher

3-color function keys super large LCD display
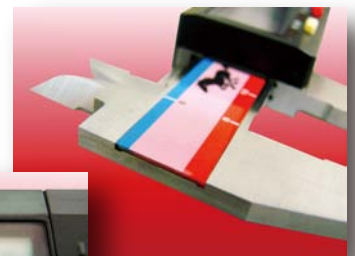
Mirror finish film glass raster measuring system

Model No.	Measuring Range	Resolution	Accuracy (MPE)
EC-9001V	0-150mm/6"		0.02mm/0.001"
EC-9001V	0-200mm/8"	0.01mm/0.0005"	0.03mm/0.0015"
EC-9001V	0-300mm/12"		0.04mm/0.0015"

Digital Caliper
Pretty SERIES Optical Glass Measuring System IP54

Hearts

Mouse

Stars
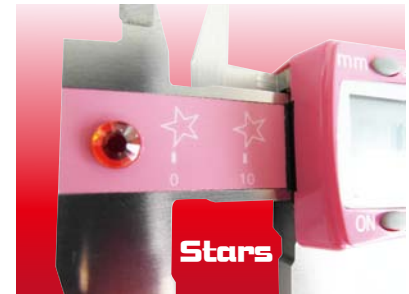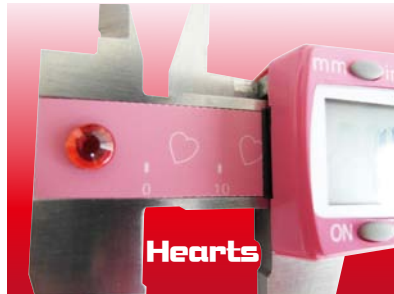
◆ Metrology Pretty Pink Caliper! Special design with a feminine touch, intended to cheer up any work space. Limited production/ great for collection or gifts.

◆ Metrology Pretty series digital caliper features the latest rapid-induction scan chip for value-reading system. Automatically memorize measurement value at any time and any position, whether it's power on or power off. The display functions normally regardless fast sliding. Durable, stable, longer operation life.

◆ Composite Optical Glass Capacitive Sensing Raster Measuring System which is a step-up from the traditional brass raster measuring scale. New system prevents magnetic interference. Variation of temperature does not influent the measuring accuracy, also the display unit function normally in humid conditions.

◆ High quality enclosed sliding structure, main scale is integrated, made of hardened stainless steel, hardness HRC 48-52. Precision lapping measuring face, accuracy is according to Germany DIN, Japan JIS, International ISO, and JCC Taiwan.

◆ European styling ergonomic design curved pusher and thumb roller to ensure the stability and comfort.

◆ CR2032 3V lithium battery/energy efficient/ battery life 1 year or over.

◆ 10 mm super large display/ Sharp display and easy to read, reduce eye fatigue and vision error.

◆ Botton functions **MM/IN** : Metric and Imperial conversion   **ABS** : absolute and increment value
   ZERO : setting zero at any position   **ON/OFF** : manual on / off switch and auto power

Pink main scale and pink plastic case

Model No.	Type	Measuring Range	Resolution	Accuracy (MPE)
EC-9001PH	Heart			
EC-9001PM	Mouse	0-150mm/6"	0.01mm/0.0005"	0.03mm/0.0015"
EC-9001PS	Star			

Precision Unique Innovation

中華民國專利證書

新型第 M 329170 號

新型名稱：改良式電子卡尺

專利權人：精石精密量校

創　作　人：曾禮清

專利權期間：自2008年3月21日至2017年7月

上開新型業依　　　　　式審查取得專利權

　行使專利權依　　　　　報告進行警告

經濟部智慧　　　局

局

TAIWAN PATENT

CALIPER

Registered / Eingetragen 06/08/2007

EU INTERNATIONAL PATENT

No 000769922-0001

Lee Ching Tzeng
Jingstone Precision Measurement & Calibration Technology
International Consultant Co., Ltd.

BG - Шубмери　保加利亞
ES - Calibres　西班牙
CS - Průměrky　捷克
DA - Passere　丹麥
DE - Gabellehren　德國
ET - Nihikud　愛沙尼亞
EL - Παχύμετρα　希臘
EN - Calipers　英國
FR - Calibres　法國
IT - Calibri　義大利
LV - Ātlausti　拉脫維亞
LT - Skriestuvai　立陶宛
HU - Mérőkörzők, tolómércék　葡萄牙
MT - Kalipers　馬其頓
NL - Fithaken　荷蘭
PL - Suwmiarki　波蘭
PT - Calibres　葡萄牙
RO - Șublere　俄羅斯
SK - Posuvné meradlá　斯洛伐克
SL - Šestila　斯洛維尼亞
FI - Mittaharpit　芬蘭
SV - Passare　瑞典

The President / Der Präsident

Wubbo de Boer

OHIM — OFFICE FOR HARMONIZATION
IN THE INTERNAL MARKET
TRADE MARKS AND DESIGNS

CERTIFICATE OF REGISTRATION

This Certificate of Registration is hereby issued for the
Registered Community Design identified below. The
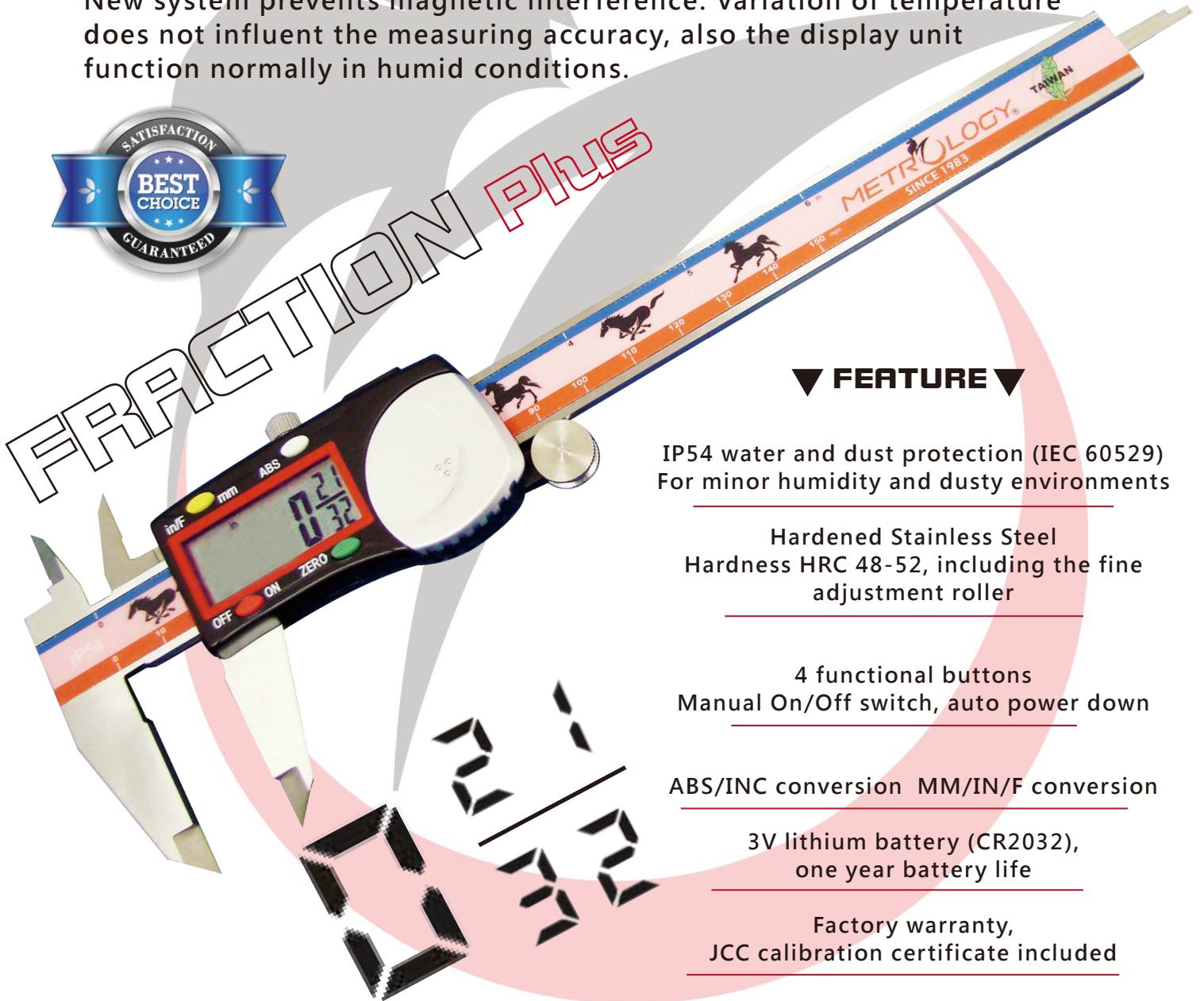corresponding entries have been recorded in the
Register of Community Designs

HABM — HARMONISIERUNGSAMT FÜR
DEN BINNENMARKT
MARKEN, MUSTER UND MODELLE

EINTRAGUNGSURKUNDE

Diese Eintragungsurkunde wird für das unten genannte
eingetragene Gemeinschaftsgeschmackmuster
ausgestellt. Die entsprechenden Einträge sind im das
Register für Gemeinschaftsgeschmacksmuster
aufgenommen worden

MORE

Digital Caliper
FRACTION SERIES
Optical Glass Measuring System IP54

★ Metrology Fraction Series digital caliper features the latest rapid-induction scan chip for value-reading system. Automatically memorize measurement value at any time and any position.

★ Composite Optical Glass Capacitive Sensing Raster Measuring System which is a step-up from the traditional brass raster measuring scale. New system prevents magnetic interference. Variation of temperature does not influent the measuring accuracy, also the display unit function normally in humid conditions.

SATISFACTION
BEST CHOICE
GUARANTEED

FRACTION Plus

▼ FEATURE ▼

IP54 water and dust protection (IEC 60529)
For minor humidity and dusty environments

Hardened Stainless Steel
Hardness HRC 48-52, including the fine adjustment roller

4 functional buttons
Manual On/Off switch, auto power down

ABS/INC conversion MM/IN/F conversion

3V lithium battery (CR2032),
one year battery life

Factory warranty,
JCC calibration certificate included

Model No.	Measuring Range	Resolution	Accuracy (MPE)
EC-9001WF	0-150mm/6"	0.01mm/0.0005"	0.02mm/0.001"
EC-9002WF	0-200mm/8"		0.03mm/0.0015"
EC-9003WF	0-300mm/12"		0.04mm/0.0015"

Digital Caliper
MICRO SERIES
Optical Glass Measuring System IP54

➤ Metrology Micron Series digital caliper features the latest rapid-induction scan chip for value-reading system. Automatically memorize measurement value at any time and any position.

➤ Composite Optical Glass Capacitive Sensing Raster Measuring System which is a step-up from the traditional brass raster measuring scale. New system prevents magnetic interference. Variation of temperature does not influent the measuring accuracy, also the display unit function normally in humid conditions.

➤ 10 mm super large LCD display/ 0.005mm high resolution, measuring accuracy according to DIN/JIS/ISO and JCC standards.

▼ FEATURE ▼

IP54 water and dust protection (IEC 60529)
For minor humidity and dusty environments

Hardened Stainless Steel
Hardness HRC 48-52, including fine adjustment roller

4 functional buttons
Manual On/Off switch, auto power down

ABS/INC conversion
MM/IN conversion, HOLD, On/Off button

3V lithium battery (CR2032),
one year battery life

Factory warranty,
JCC calibration certificate included

MICRO
0.005mm

Model No.	Measuring Range	Resolution	Accuracy (MPE)
EC-9001WH	0-150mm/6"		0.020mm/0.001"
EC-9002WH	0-200mm/8"	0.005mm/0.0005"	0.025mm/0.0015"
EC-9003WH	0-300mm/12"		0.030mm/0.0015"

Digital Caliper
Optical Glass Measuring System IP54
ABSOLUTE SERIES

✔ Metrology Absolute Series digital caliper features absolute sensor measuring system, for fast and reliable measurement, no need to repeatedly reset zeros, even after power down or replacing battery, the original data stays the same, also no induction speed limit.

✔ SPC port allows data import through USB. No software required. Data can be transfer directly to Excel.

SATISFACTION — BEST CHOICE — GUARANTEED

▼ FEATURE ▼

IP54 water and dust protection (IEC 60529)
For minor humidity and dusty environments

Absolute sensor measuring system
Limitless induction speed

Hardened Stainless Steel
Hardness HRC 48-52, including fine adjustment roller

4 functional buttons
Slide to turn on, auto power down

ABS/INC & MM/IN conversion

3V lithium battery (CR2032),
one year battery life

Factory certified,
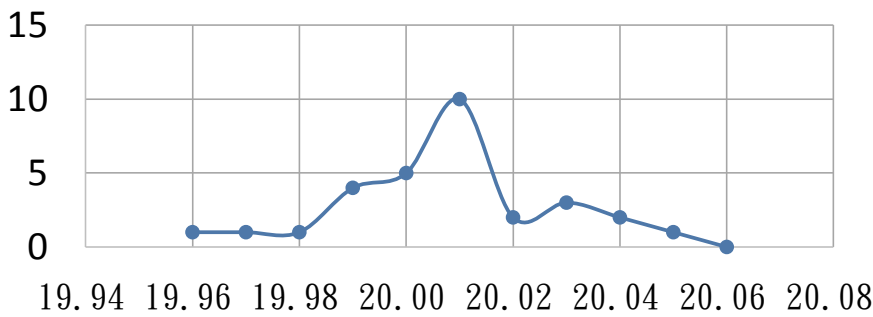JCC calibration certificate included

ABS SPC Plus

Model No.	Measuring Range	Resolution	Accuracy (MPE)
EC-9001AB	0-150mm/6"	0.01mm/0.0005"	0.02mm/0.001"
EC-9002AB	0-200mm/8"		0.03mm/0.0015"
EC-9003AB	0-300mm/12"		0.04mm/0.0015"

Option accessory: SPC data output cable (DO-ABW)

line chart

LCL ●Data UCL Standard Size

Run Chart

19.94 19.96 19.98 20.00 20.02 20.04 20.06 20.08

Histogram

1 1 1 4 5 10 2 3 2 1 0

19.96   19.98   20.00   20.02   20.04   20.06

■ Data ■ LCL ■ UCL ■ CL
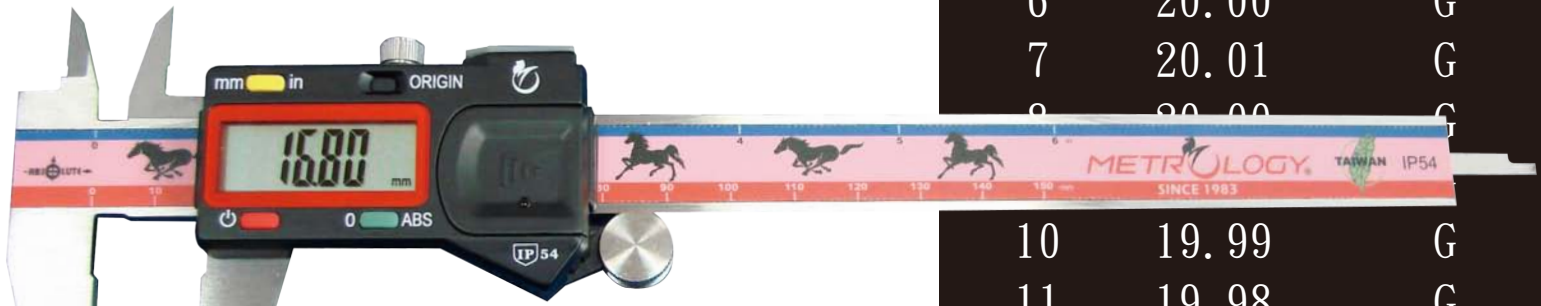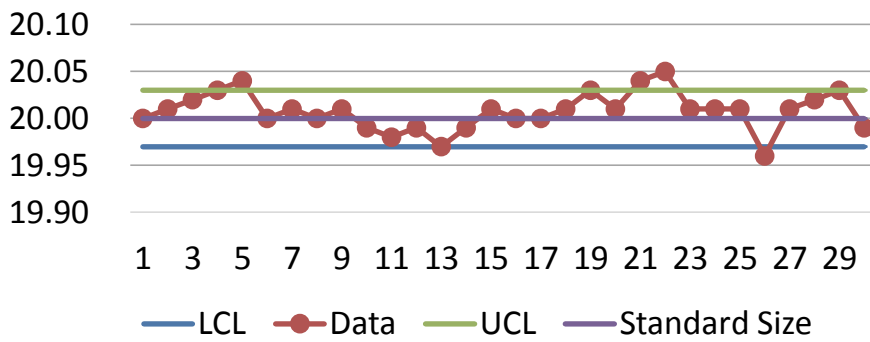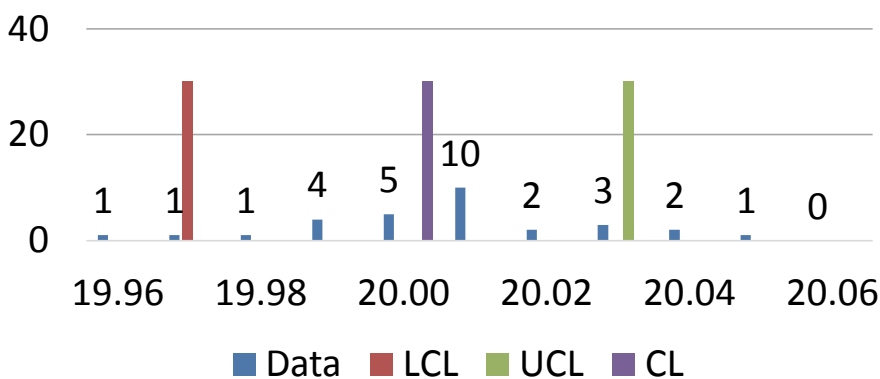
Number	Value	Conclusion
1	20.00	G
2	20.01	G
3	20.02	G
4	20.03	G
5	20.04	+
6	20.00	G
7	20.01	G
8	20.00	G
10	19.99	G
11	19.98	G
12	19.99	G
13	19.97	G
14	19.99	G
15	20.01	G
16	20.00	G
17	20.00	G
18	20.01	G
19	20.03	G
20	20.01	G
21	20.04	+
22	20.05	+
23	20.01	G
24	20.01	G
25	20.01	G
26	19.96	–
27	20.01	G
28	20.02	G
29	20.03	G
30	19.99	G

Digital Caliper

IP65 WATERPROOF

▶ Metrology IP65 Waterproof Series digital caliper features capacitor sensor measuring system, for fast and reliable measurements. Magnetic, static shock, battery interference resistant.

▶ IP65 water dust resistant/ operational under liquid splash.

▶ Dual button design/ easy to use/ no need for repeat reset/ fast, durable, and dependable.

Swiss Sylvac scan chip

FEATURE

▶ IP65 rating (IEC60529) , water resistant/dust resistant

▶ Made of hardened stainless steel hardness HRC48-52

▶ ABS/INC and MM/IN conversion

▶ Multi- functional buttons/ manual On and Off/ auto power down

▶ 3V lithium battery (CR2032), 2000 hr. life time.

▶ Factory warranty, JCC calibration certificate included

Model No.	Measuring Range	Resolution	Accuracy (MPE)
EC-9001SW	0-150mm / 6"	0.01mm/0.0005"	0.03mm/0.0015"
EC-9002SW	0-200mm / 8"		

IP67

Digital Caliper
IP67 Waterproof

SUBMARINE

mm/in

ABS

O/ON

METROLOGY
SINCE 1983
TAIWAN

▶ Metrology IP67 Submarine Series digital caliper features electro-magnetic scan chip, for fast and reliable measurement. Magnetic, static shock, battery interference resistant.

▶ IP 67 water/dust proof (IEC 60529), complete waterproof, greaseproof/ operational in water

▶ Features absolute sensor measuring system, for fast and reliable measurement, no need to repeatedly reset zeros, even after power down or replacing battery, the original data stays the same, also no induction speed limit.

▶ Multi- functional buttons/ manual On and Off/ auto power down

Digital Caliper
SUBMARINE

IP67
WATERPROOF
Absolute&Electromagnetic Induction Sensors

BEST CHOICE
SATISFACTION GUARANTEED

FEATURE

▶ IP67 (IEC60529) complete waterproof/ greaseproof, under normal water pressure and submerge time

▶ Absolute sensor measuring system Limitless induction speed

▶ Made of hardened stainless steel hardness HRC48-52 including fine adjust roller

▶ Multi- functional buttons/ manual On and Off/ auto power down

▶ ABS/INC and MM/IN conversion

▶ 3V lithium battery (CR2032), 2000 hr. life time.

▶ Factory warranty, JCC calibration certificate included

Model No.	Measuring Range	Resolution	Accuracy (MPE)
EC-9001SS	0-150mm/6"		0.02mm/0.001"
EC-9002SS	0-200mm/8"	0.01mm/0.0005"	0.03mm/0.0015"
EC-9003SS	0-300mm/12"		0.04mm/0.0015"

CALIPER

➤ *METROLOGY*® Special Jaws Calipers, unique and modern design, solid structure made of hardened stainless steel hardness HRC 48-52, measuring anvils and jaws are precision grinded and polished.

➤ This series of calipers are design to suit special requirements/ manufacturing accuracy is based on ISO standards, in compliance to JCC.
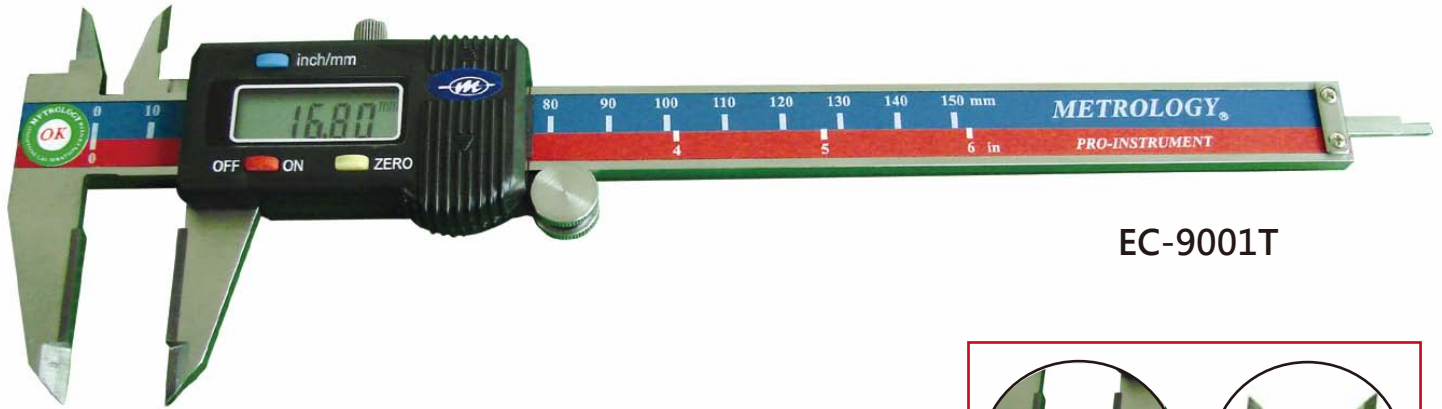

- Resolution: 0.01mm/ 0.0005″
- MM/INCH conversion button
- Manual ON/OFF button
- ZERO: Reset button
- 1.5V, LR 44 lithium battery

■ Digital Caliper (Tungsten Steel)

For measuring high density materials, measuring the external, internal, depth, and step of work pieces. Tungsten steel on both internal and external jaws, ensuring durability.

Tungsten carbide is much more wear-resistant and durable than hardened stainless steel.

EC-9001T

Model No.	Measuring Range	Resolution	Accuracy
EC-9001T	0-150mm/6"	0.01mm 0.0005"	±0.03mm
EC-9002T	0-200mm/8"		±0.03mm
EC-9003T	0-300mm/12"		±0.04mm

Tungsten steel on both internal and external measuring jaws
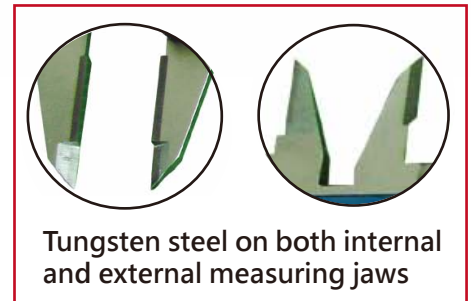
■ Digital Caliper (Depth)

For depth, thickness, height, and step measurements

EC-9001DP

Model No.	Measuring Range	Resolution	Base Length	Accuracy
EC-9001DP	0-150mm/6"	0.01mm 0.0005"	100mm	±0.03mm
EC-9002DP	0-200mm/8"		100mm	±0.03mm
EC-9003DP	0-300mm/12"		150mm	±0.04mm
EC-9004DP	0-500mm/20"		200mm	±0.05mm
EC-9005DP	0-800mm/30"		200mm	±0.06mm
EC-9006DP	0-1000mm/40"		250mm	±0.08mm
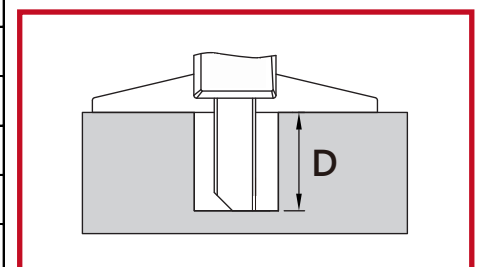
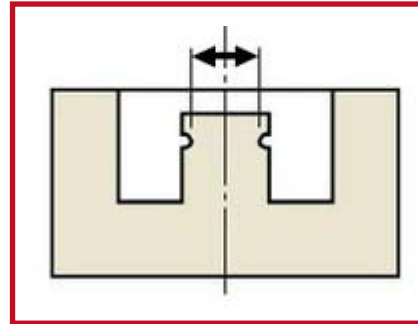# ■ Digital Caliper (Outside Groove)

For measuring outside groove diameter, length, wall thickness of slots.
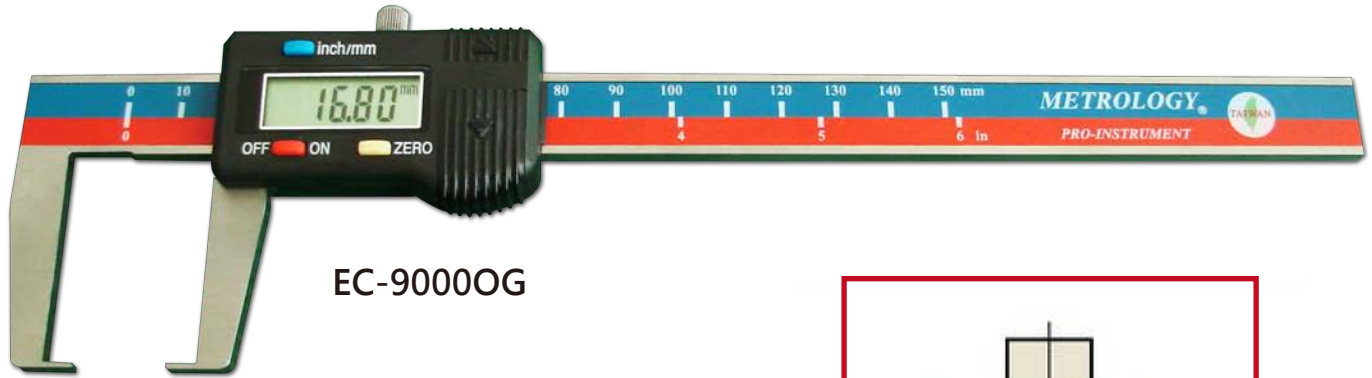
EC-9000OG
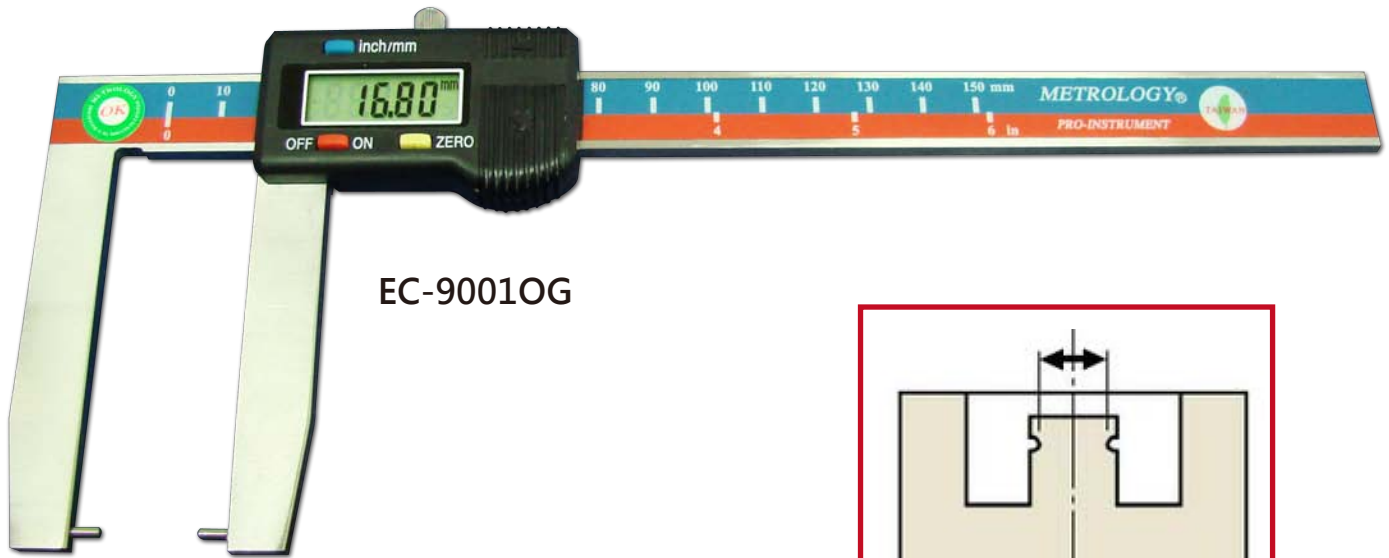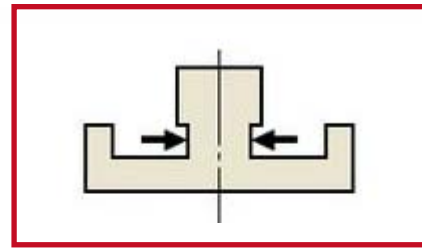
EC-9001OG

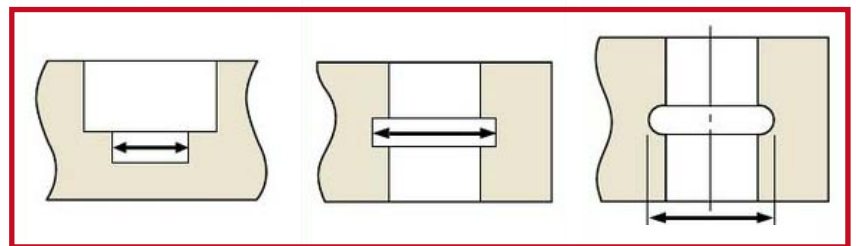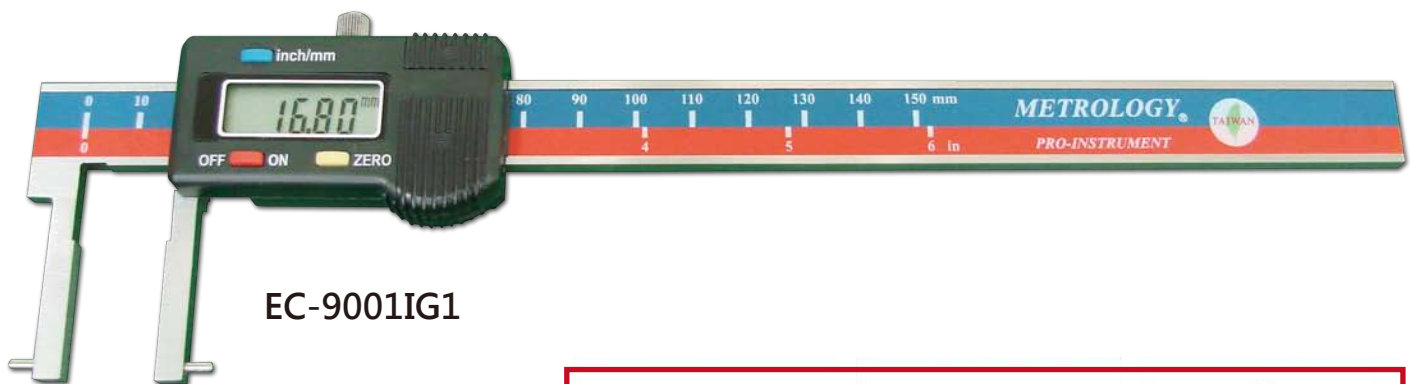| Model No.	Measuring Range	Resolution	Jaw Length	Anvil Dia	Anvil Length	Accuracy
EC-9000OG	0-150mm/6"	0.01mm 0.0005"	40mm	T1mm	5mm	±0.03mm
EC-9001OG	0-150mm/6"		70mm	Φ2mm	5mm	±0.03mm
EC-9002OG	0-200mm/8"		100mm	Φ2.5mm	8mm	±0.04mm
EC-9003OG	0-300mm/12"		150mm	Φ2.5mm	10mm	±0.04mm
EC-9004OG	0-500mm/20"		200mm	Φ3mm	12mm	±0.05mm

Remark: EC-9000OG come with flat measuring anvils, all other models come with curved anvils.

■ Digital Caliper (Inside Groove)

For measuring inside groove diameter, hole diameter, and distance of workpiece.

EC-9001IG
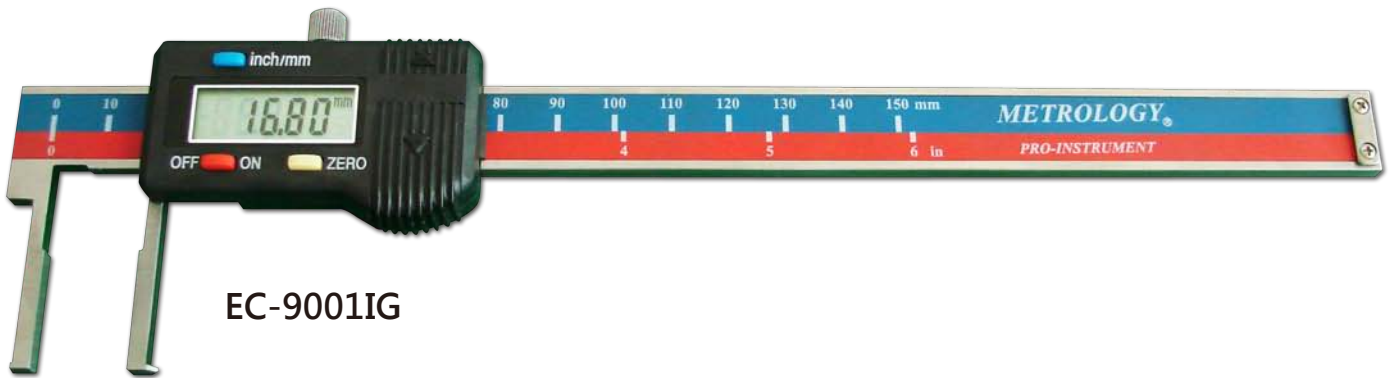
EC-9001IG1

Model No.	Measuring Range	Resolution	Jaw Length	Anvil Dia	Anvil Length	Accuracy
EC-9001IG	10-150mm/6"		30mm	T1mm	2mm	
EC-9001IG1	20-150mm/6"		30mm	ψ2mm	3mm	±0.03mm
EC-9001IG2	35-150mm/6"		60mm	ψ2mm	6mm	
EC-9001IG3	50-150mm/6"		90mm	ψ3mm	9mm	
EC-9002IG1	25-200mm/8"		40mm	ψ2mm	4mm	
EC-9002IG2	40-200mm/8"	0.01mm/0.0005"	70mm	ψ3mm	7mm	±0.03mm
EC-9002IG3	60-200mm/8"		100mm	ψ3mm	10mm	
EC-9003IG1	30-300mm/12"		50mm	ψ2mm	5mm	
EC-9003IG2	50-300mm/12"		80mm	ψ3mm	8mm	±0.04mm
EC-9003IG3	60-300mm/12"		110mm	ψ3mm	12mm	
EC-9004IG1	40-500mm/20"		90mm	ψ2mm	5mm	
EC-9004IG2	60-500mm/20"		120mm	ψ3mm	10mm	±0.05mm
EC-9004IG3	80-500mm/20"		150mm	ψ3mm	16mm	

Remark: EC-9001IG come with flat measuring anvil, all other models come with curved anvils.

Digital Caliper (Inside & Outside Interchangeable Anvil)

For measuring outside groove diameter, length, wall thickness of slots, inside groove diameter, hole diameter, and distance of workpiece

EC-9001IG

outside

inside
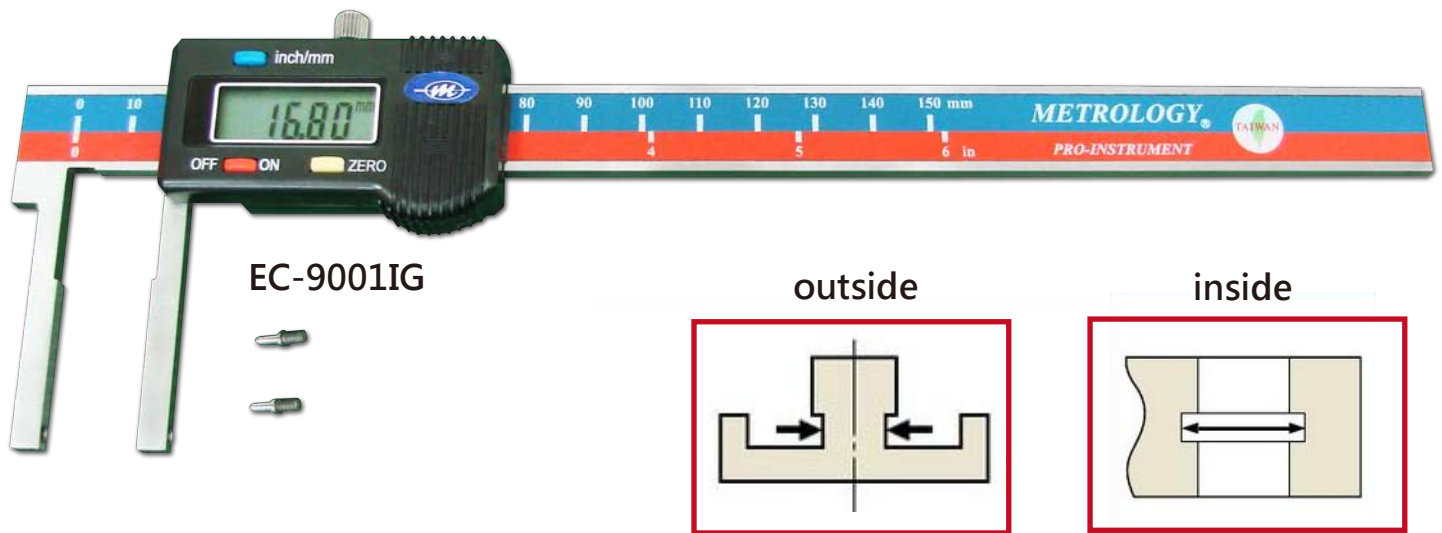
Model No.	Measuring Range	Resolution	Jaw Length	Anvil Dia	Anvil Length	Accuracy
EC-9001IO	0-150mm/6"	0.01mm/0.0005"	40mm	Φ2mm	5mm	±0.03mm
EC-9002IO	0-200mm/8"		50mm			±0.03mm
EC-9003IO	0-300mm/12"		60mm			±0.04mm
EC-9004IO	0-500mm/20"		100mm			±0.05mm

Remark: above measuring range is for external specs. For internal measurements, measuring jaw and anvil dimension must be added.

inside

outside

Remark: Measuring tip standard spec is M2.5-6g.
The interchangeable anvils with curved style and custom measuring anvils can be ordered.

■ Digital Caliper (Offset)

The main scale measuring jaw is adjustable.
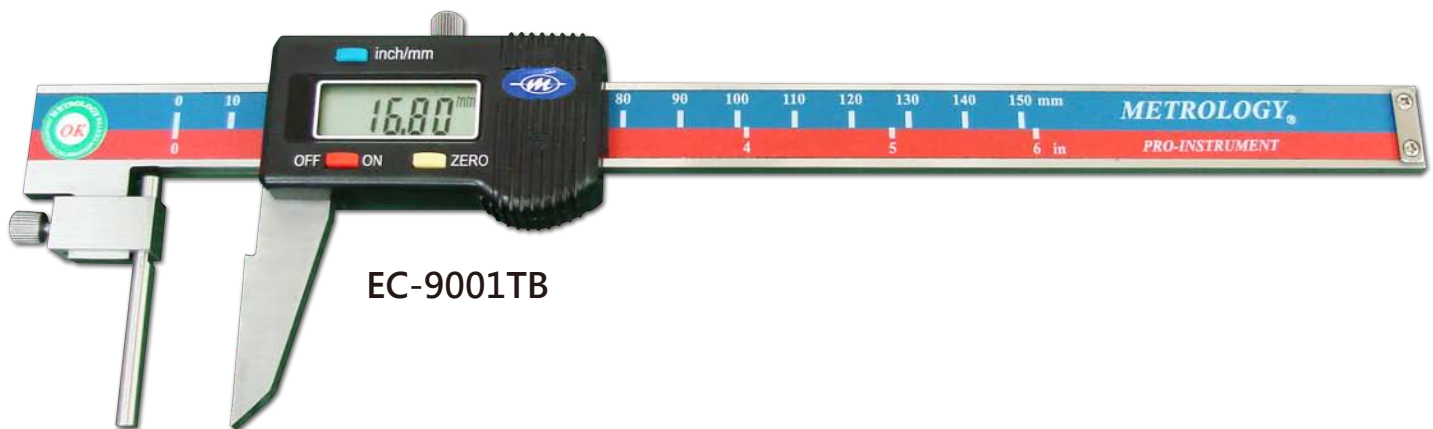For measuring outside and inside step distances.
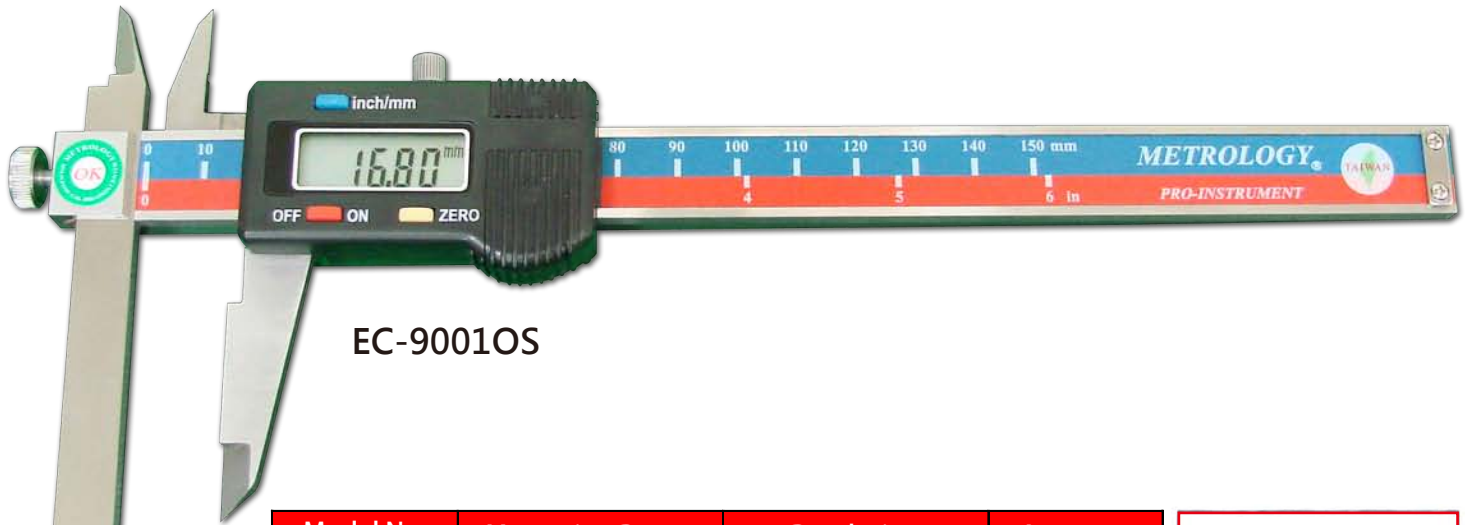
EC-9001OS

Model No.	Measuring Range	Resolution	Accuracy
EC-9001OS	0-150mm/6"		±0.03mm
EC-9002OS	0-200mm/8"	0.01mm/0.0005"	±0.03mm
EC-9003OS	0-300mm/12"		±0.04mm
EC-9004OS	0-500mm/20"		±0.05mm
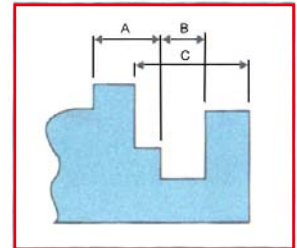
■ Digital Caliper (Tube)

For measuring thickness of the tube wall, and distance of datum point to hole.

EC-9001TB

Model No.	Measuring Range	Resolution	Accuracy
EC-9001TB	0-150mm/6"		±0.03mm
EC-9002TB	0-200mm/8"	0.01mm/0.0005"	±0.03mm
EC-9003TB	0-300mm/12"		±0.04mm
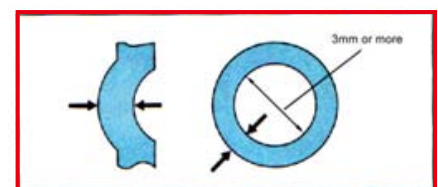
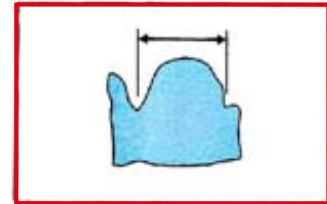Remark: Measuring rod standard diameter is 4mm, Custom spec and style can be special ordered.

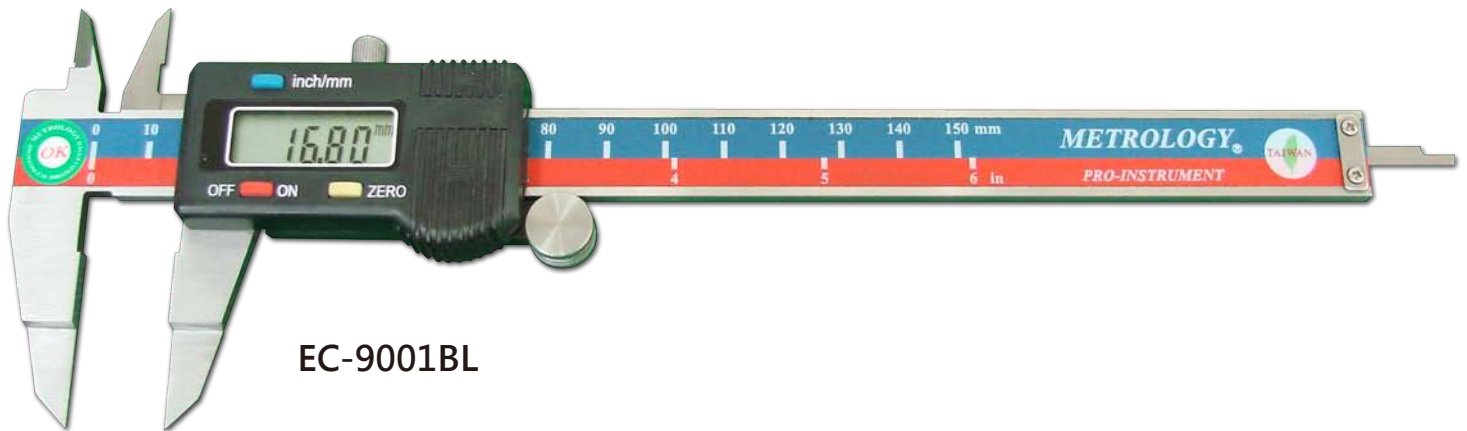# ■ Digital Caliper (Point)

For measuring tight spaces in slots.
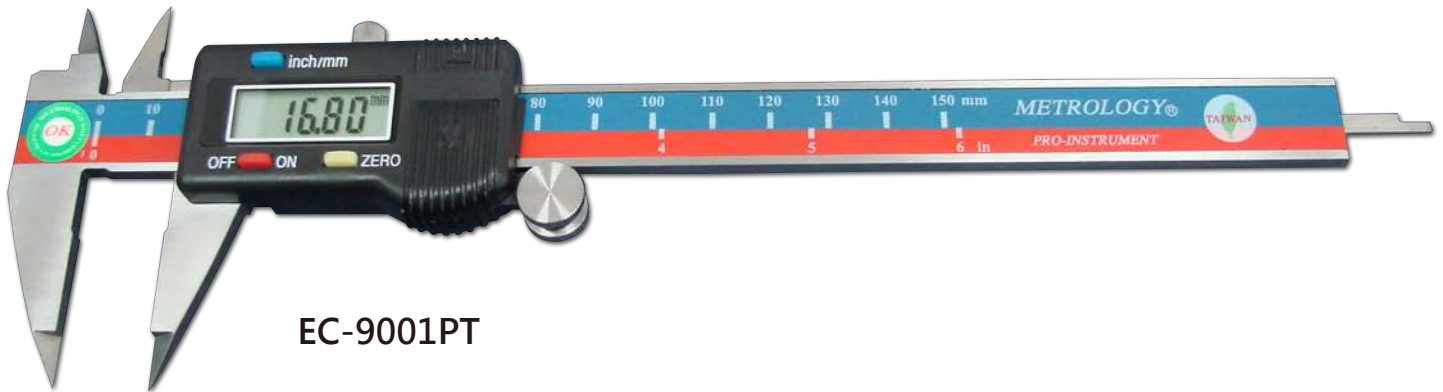
EC-9001PT

Model No.	Measuring Range	Resolution	Accuracy
EC-9001PT	0-150mm/6"		±0.03mm
EC-9002PT	0-200mm/8"	0.01mm/0.0005"	±0.03mm
EC-9003PT	0-300mm/12"		±0.04mm

■ Digital Caliper (Blade)

For measuring length or diameter of tight spaces.

EC-9001BL

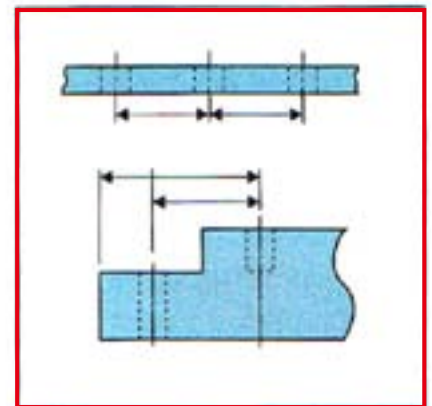| Model No.	Measuring Range	Resolution	Accuracy
EC-9001BL	0-150mm/6"		±0.03mm
EC-9002BL	0-200mm/8"	0.01mm/0.0005"	±0.03mm
EC-9003BL	0-300mm/12"		±0.04mm

Remark: the standard measuring jaw thickness is 0.75 mm/ can be special order down to 0.4mm

# ■ Digital Caliper (Center Distance)

Main scale and the sliding scale measuring jaws are interchangeable.
For measuring center distance between two holes, and hole center to reference face.

EC-9001CD

Model No.	Measuring Range	Resolution	Accuracy
EC-9001CD	5-150mm/6"		±0.03mm
EC-9002CD	5-200mm/8"		±0.03mm
EC-9003CD	5-300mm/12"	0.01mm/0.0005"	±0.04mm
EC-9004CD	5-500mm/20"		±0.05mm
EC-9005CD	10-1000mm/40"		±0.08mm

■ Optional Measuring Tip

EC-CD10 (2 piece/pair)

EC-CD20
(2 piece/pair)
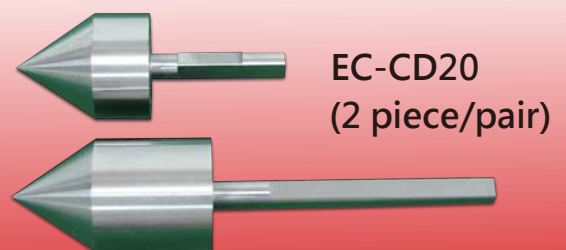
■ Maximum hole diameter: 10 mm

■ Maximum hole diameter: 20 mm

Remark: Standard measuring rod diameter is 5mm,Custom rod specs and style can be special ordered.

■ Digital Caliper (Screw)

With interchangeable measuring jaws
For measuring head thickness of screws and length of threads.
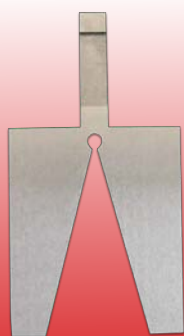

EC-9001SC

Head thickness
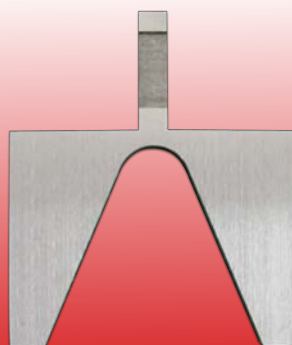
Model No.	Measuring Range	Resolution	Accuracy
EC-9001SC	0-150mm/6"	0.01mm/0.0005"	±0.03mm
EC-9002SC	0-200mm/8"		±0.03mm
EC-9003SC	0-300mm/12"		±0.04mm

Remark: Standard accessory exclude measuring jaws

Thread length

■ Optional measuring jaws

Diameter: for Φ1-10mm

Size tolerance: ±0.003mm

Material: hardened alloy steel

Model Number: EC-SC1
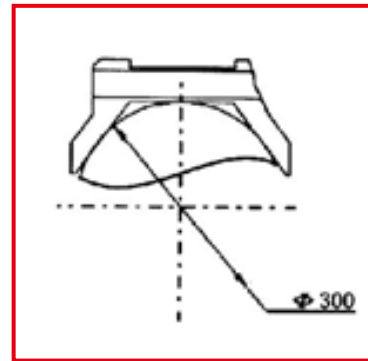

Diameter: for Φ10-20mm

Size tolerance: ±0.003mm

Material: hardened alloy steel

Model Number: EC-SC2

Remark: Standard measuring jaw thickness: 4mm
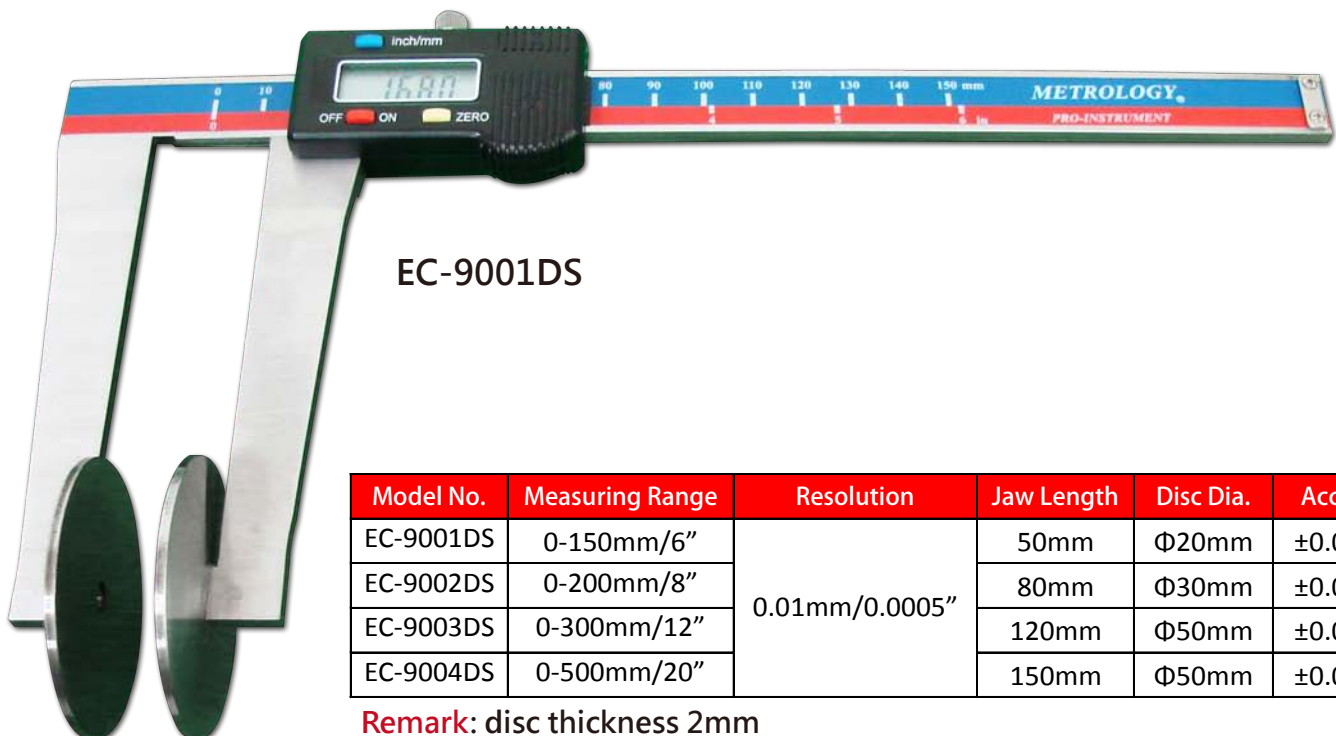
■ **Digital Caliper (Outside Arc Radius)**

For measuring external arc radius and diameter of semi-spherical and spherical workpiece.

EC-9001OR

Model No.	Measuring Range	Resolution	Accuracy
EC-9001OR	R3-150mm/6"	0.01mm/0.0005"	±0.03mm
EC-9002OR	R3-200mm/8"		±0.03mm

■ **Digital Caliper (Disc)**

For measuring thickness of sheets, paper, aluminum, plastic, metal, and gear teeth.

EC-9001DS

| Model No.	Measuring Range	Resolution	Jaw Length	Disc Dia.	Accuracy
EC-9001DS	0-150mm/6"	0.01mm/0.0005"	50mm	Φ20mm	±0.03mm
EC-9002DS	0-200mm/8"		80mm	Φ30mm	±0.03mm
EC-9003DS	0-300mm/12"		120mm	Φ50mm	±0.04mm
EC-9004DS	0-500mm/20"		150mm	Φ50mm	±0.05mm

Remark: disc thickness 2mm

METROLOGY®

■ Digital Caliper (Groove Width)

For measuring width, distance of internal grooves and distance from groove to reference face.
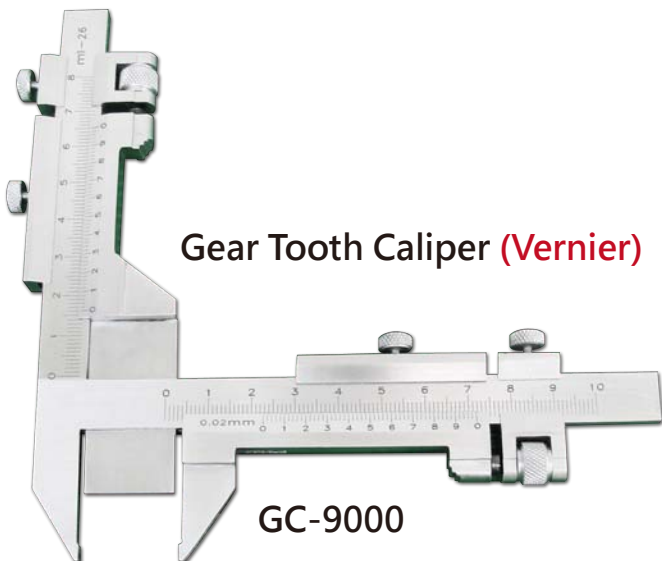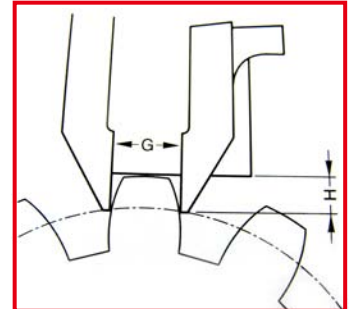
EC-9001GW

Model No.	Measuring Range	Resolution	Accuracy
EC-9001GW	3-150mm/6"		±0.03mm
EC-9002GW	3-200mm/8"	0.01mm/0.0005"	±0.03mm
EC-9003GW	4-300mm/12"		±0.04mm
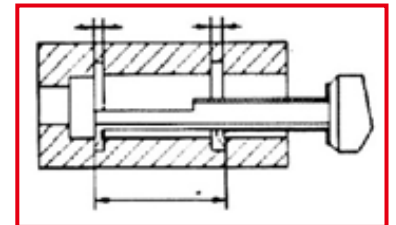
Remark: Main beam width : 17 mm, measuring jaw total width 13xL23mm, jaw width 3mm, and depth 4mm

■ Caliper (Gear Tooth)

For measures gear tooth thickness on the primary diameter.

Gear Tooth Caliper (Vernier)

GC-9000

Gear Tooth Caliper (Digital)

GC-90001E

Model No.	Measuring Range	Graduation	Accuracy
GC-9000	M1-26	0.02mm	±0.02mm

Model No.	Measuring Range	Resolution	Accuracy
GC-9001E	M1-25	0.01mm/0.0005"	±0.02mm
GC-9002E	M5-50		±0.03mm

CALIPER

Digital Caliper (Mini)

EC-9075S

Model No.	Measuring Range	Resolution	Accuracy (MPE)
EC-9075S	0-75mm / 3"	0.01mm/0.0005"	0.03mm/0.0015"
EC-9100S	0-100mm / 4"		

Vernier Caliper (Parallel Scribing)

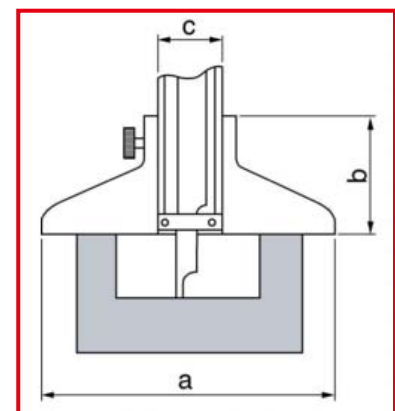For workpiece dimension scribing and measuring tube thickness.

VC-9200S

Model No.	Measuring Range	Graduation	Accuracy
VC-9200S	0-200mm/8"	0.1mm/1/128"	±0.1mm

Remark: with Ø 2mm interchangeable tungsten scribing pin

Caliper Depth Base

Suitable for calipers within the range of 0 to 300mm. For support of measuring depths.

| Model No.	Measuring Face	Scale Width	Material
CD-BASE	80*7.5mm	17mm	Stainless Steel

CALIPER

➤ *METROLOGY*® Large jaw calipers for better structure integrity, sturdiness. Every style come with fine adjustment, for easy to use. Made from stainless steel hardness HRC48-52.

➤ Our large jaws calipers are for measuring mid-size to large-size items. Measuring external diameter, internal diameter, length and distance. It's simple, fast and reliable. All calipers are calibrated according to ISO and JCC (Jingstone Calibration Center) standards.

Double Outside Jaw

Double inside Jaw

Single Long Jaw
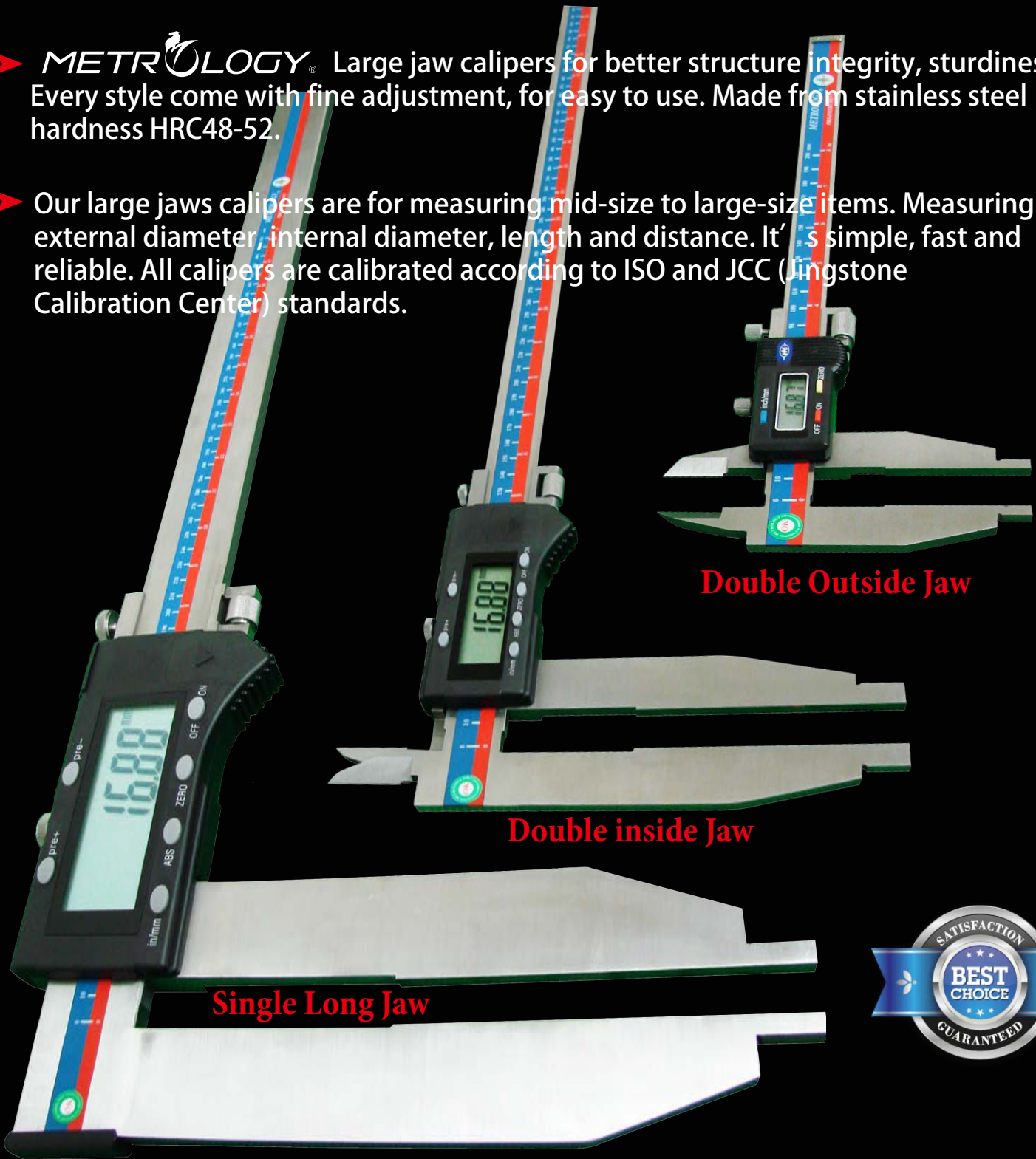
- Resolution :0.01mm/0.0005″
- MM/INCH: Metric and Imperial system conversion
- OFF/ON: manual switch On and Off
- ZERO: Reset zero at any positions
- ABS: Absolute and increment value conversion
- PRE+/-: Increase or decrease size setting

■ Digital Caliper (Standard Jaw)

For measuring mid-size workpiece external, internal, step, length and distance.
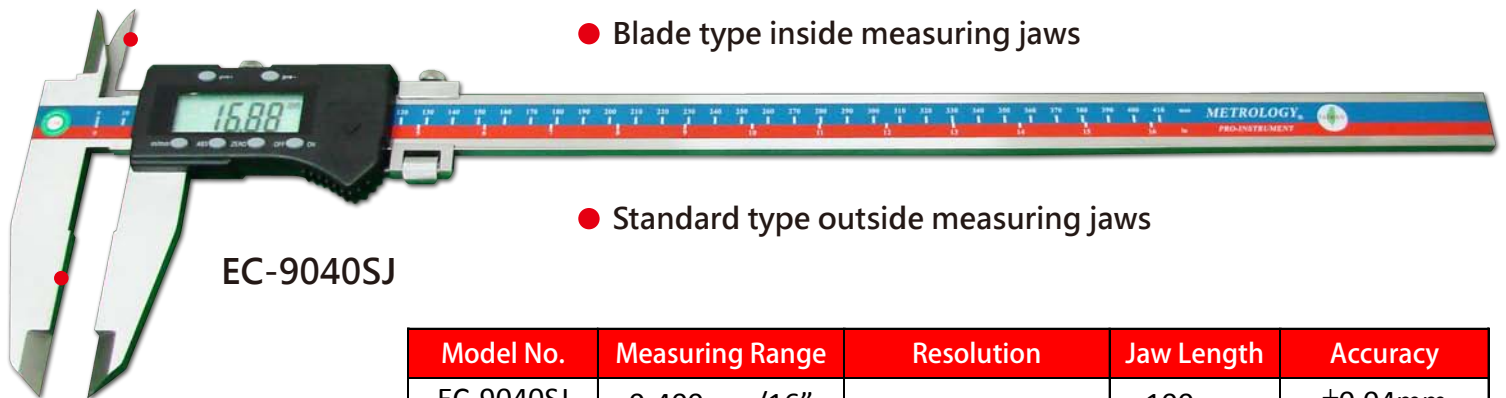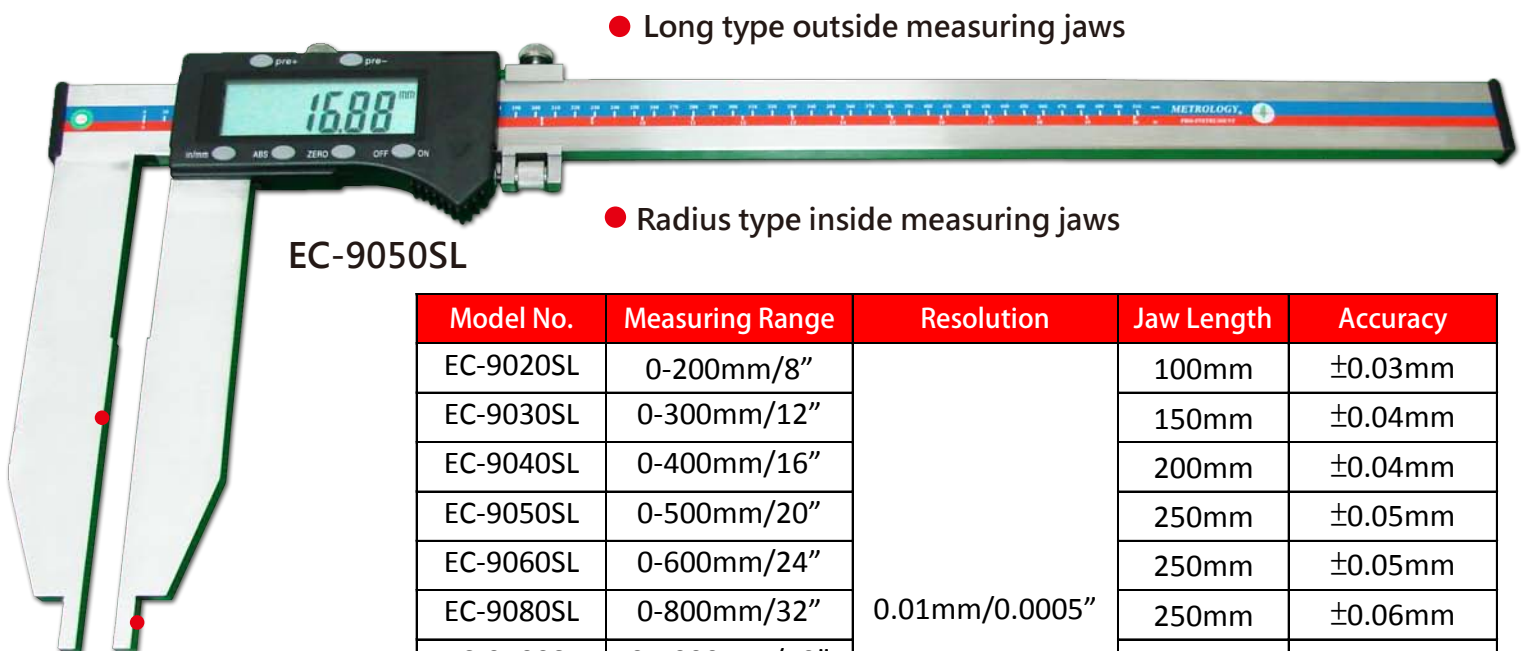
● Blade type inside measuring jaws

● Standard type outside measuring jaws

EC-9040SJ

Model No.	Measuring Range	Resolution	Jaw Length	Accuracy
EC-9040SJ	0-400mm/16"		100mm	±0.04mm
EC-9050SJ	0-500mm/20"		100mm	±0.05mm
EC-9060SJ	0-600mm/24"	0.01mm/0.0005"	100mm	±0.05mm
EC-9080SJ	0-800mm/32"		125mm	±0.06mm
EC-9100SJ	0-1000mm/40"		150mm	±0.08mm

■ Digital Caliper (Single Long Jaw)

For measuring small, mid, large size workpiece, external internal, step, length and distance.

● Long type outside measuring jaws

● Radius type inside measuring jaws

EC-9050SL

Model No.	Measuring Range	Resolution	Jaw Length	Accuracy
EC-9020SL	0-200mm/8"		100mm	±0.03mm
EC-9030SL	0-300mm/12"		150mm	±0.04mm
EC-9040SL	0-400mm/16"		200mm	±0.04mm
EC-9050SL	0-500mm/20"		250mm	±0.05mm
EC-9060SL	0-600mm/24"		250mm	±0.05mm
EC-9080SL	0-800mm/32"	0.01mm/0.0005"	250mm	±0.06mm
EC-9100SL	0-1000mm/40"			±0.08mm
EC-9150SL	0-1500mm/60"			±0.10mm
EC-9200SL	0-2000mm/80"		300mm	±0.12mm
EC-9250SL	0-2500mm/100"			±0.15mm
EC-9300SL	0-3000mm/120"			±0.20mm

■ Digital Caliper (Double Inside Jaw)

For measuring mid-size workpiece external, internal, step, length and distance.

● Blade type inside measuring jaws

● Radius type inside measuring jaws
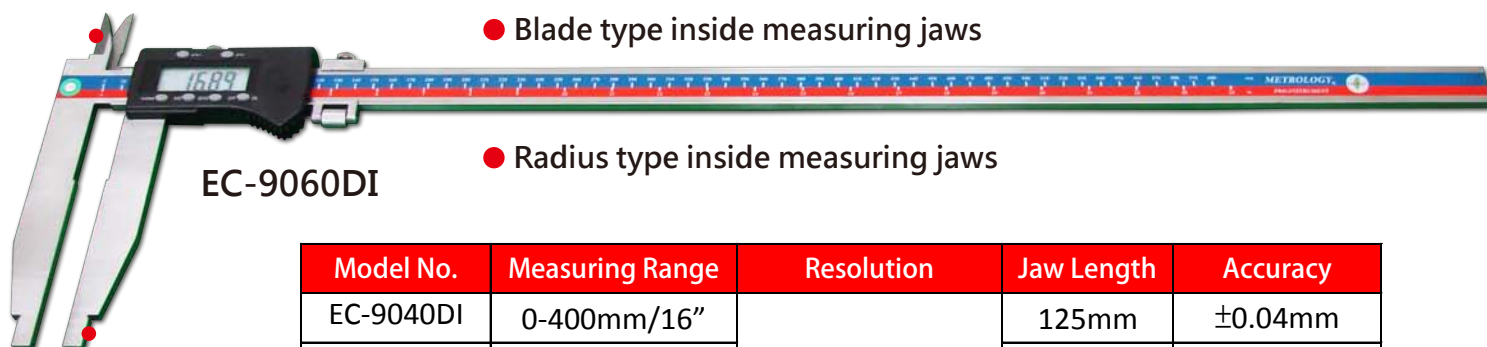
EC-9060DI

Model No.	Measuring Range	Resolution	Jaw Length	Accuracy
EC-9040DI	0-400mm/16"	0.01mm/0.0005"	125mm	±0.04mm
EC-9050DI	0-500mm/20"		150mm	±0.05mm
EC-9060DI	0-600mm/24"		150mm	±0.05mm
EC-9080DI	0-800mm/32"		150mm	±0.06mm
EC-9100DI	0-1000mm/40"		200mm	±0.08mm

■ Digital Caliper (Double Outside Jaw)

For measuring small, mid, large size workpiece, external internal, step, length and distance.

● Blade type outside measuring jaws

● Radius type inside measuring jaws
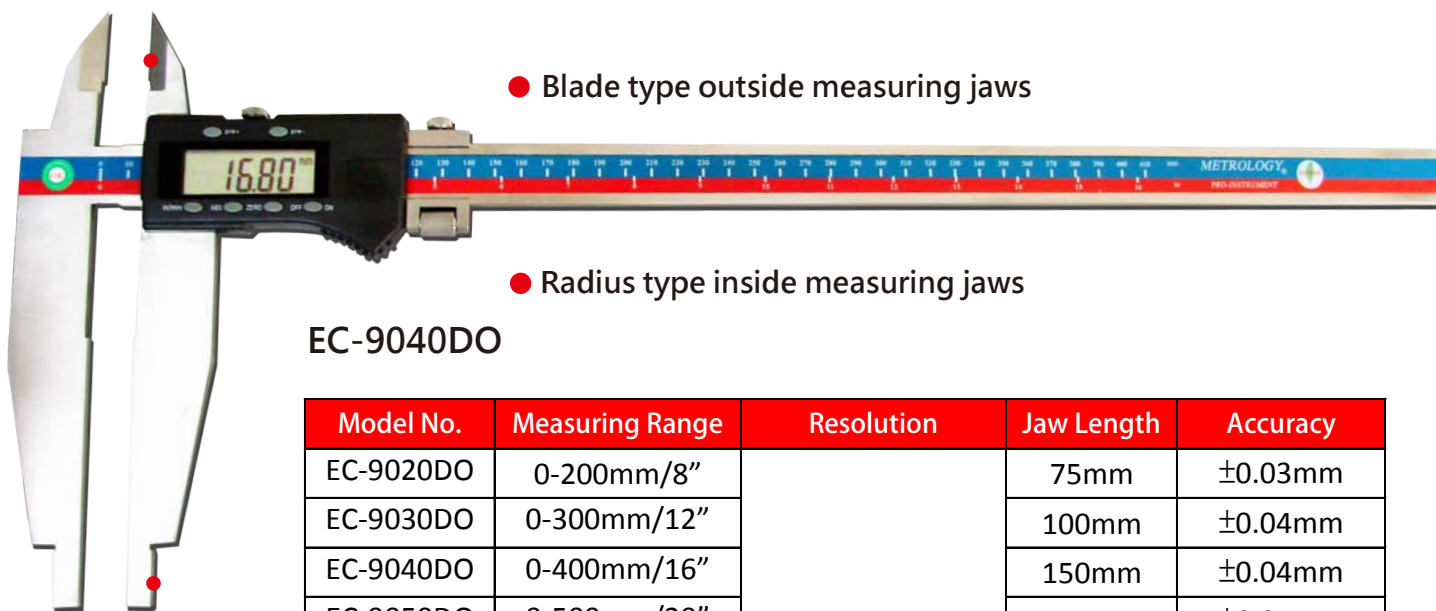
EC-9040DO

Model No.	Measuring Range	Resolution	Jaw Length	Accuracy
EC-9020DO	0-200mm/8"	0.01mm/0.0005"	75mm	±0.03mm
EC-9030DO	0-300mm/12"		100mm	±0.04mm
EC-9040DO	0-400mm/16"		150mm	±0.04mm
EC-9050DO	0-500mm/20"		200mm	±0.05mm
EC-9060DO	0-600mm/24"		200mm	±0.05mm
EC-9080DO	0-800mm/32"		200mm	±0.06mm
EC-9100DO	0-1000mm/40"		250mm	±0.08mm
EC-9150DO	0-1500mm/60"			±0.10mm
EC-9200DO	0-2000mm/80"			±0.12mm
EC-9250DO	0-2500mm/100"			±0.15mm
EC-9300DO	0-3000mm/120"			±0.20mm

■ Digital Scale (Horizontal)

Can be installed on horizontal axis machine table, for measuring moving distance and position.

ES-9040H

H type

V type
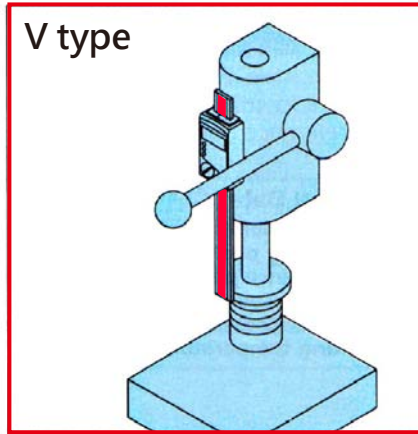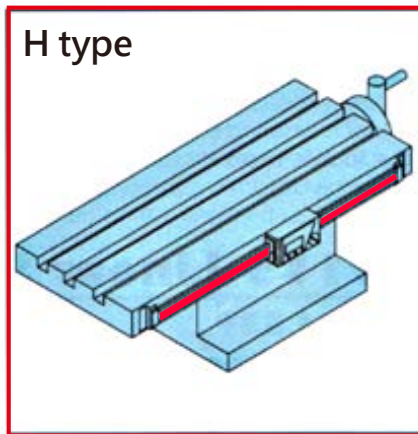
■ Digital Scale (Vertical)

Can be installed on vertical axis machine table, for measuring moving distance and position.

Model No. (Horizontal)	Model No. (Vertical)	Measuring Range (mm)	Accuracy (mm)
ES-9010H	ES-9010V	100	±0.02
ES-9015H	ES-9015V	150	±0.02
ES-9020H	ES-9020V	200	±0.03
ES-9030H	ES-9030V	300	±0.04
ES-9040H	ES-9040V	400	±0.04
ES-9050H	ES-9050V	500	±0.05
ES-9060H	ES-9060V	600	±0.05
ES-9070H	ES-9070V	700	±0.06
ES-9080H	ES-9080V	800	±0.06
ES-9100H	ES-9100V	1000	±0.08
ES-9150H	ES-9150V	1500	±0.10
ES-9200H	ES-9200V	2000	±0.12

ES-9040V