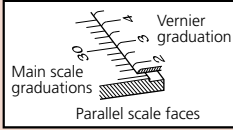




**ABSOLUTE**  
Absolute System Patented by MITUTOYO



### Technical Data

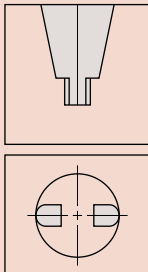
Accuracy: Refer to the list of specifications  
 Display\*: LCD  
 Length standard\*: ABSOLUTE electrostatic capacitance type linear encoder  
 Max. response speed\*: Unlimited  
 Battery\*: SR44 (1 pc.), **938882**  
 Battery life\*: Approx. 3.5 years under normal use  
 \*Digital models \*\*Analog models

### Function of Digital Model

Origin-set, Zero-setting, Data output,  
 inch/mm conversion (on inch/metric models only)  
 Alarm: Low voltage, Counting value composition error

### Optional Accessories for Digital Model

- 959143:** Data hold unit
- 959149:** SPC cable with data switch (40" / 1m)
- 959150:** SPC cable with data switch (80" / 2m)
- 05CZA624:** SPC cable with data switch (40" / 1m) for IP67 model
- 05CZA625:** SPC cable with data switch (80" / 2m) for IP67 model



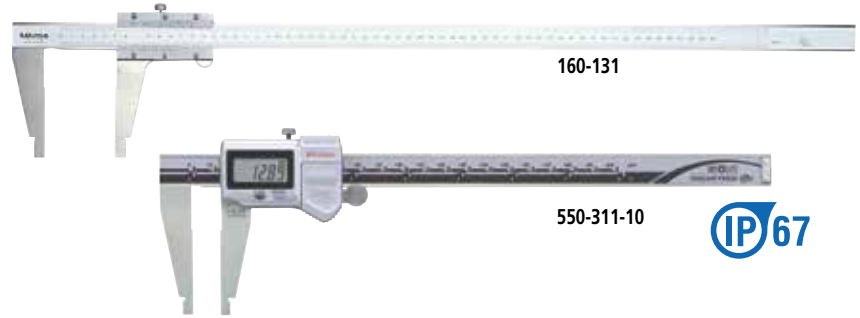
Round surface of jaws for accurate ID measurement.

# ABSOLUTE Digimatic & Vernier Caliper

**SERIES 550, 160 — with Nib-Style Jaws**

### FEATURES

- The rounded faces of the jaws are ideal for accurate ID (inside diameter) measurement.
- Inside and outside measurements can be directly read from the upper and lower slider graduations (Series 160).
- A fine-adjustment carriage type is available (Series 160).
- Parallax-free vernier scale type is available for easy and positive measurement (Series 160).
- With SPC output (Series 550).
- Supplied in fitted plastic case. Except 40" / 1000mm supplied in wooden case.



### SPECIFICATIONS

Metric		Digital model			
Range*	Order No.	Accuracy	Resolution	Mass (g)	Remarks
0 (10) - 200mm	<b>550-301-20</b>	±0.03mm	0.01mm	180	IP67
0 (10) - 300mm	<b>550-331-10</b>	±0.03mm	0.01mm	380	w/ offset/preset function for easy ID measurement, IP67
0 (20) - 450mm	<b>550-203-10**</b>	±0.05mm	0.01mm	1,110	
0 (20) - 600mm	<b>550-205-10**</b>	±0.05mm	0.01mm	1,290	
0 (20) - 1000mm	<b>550-207-10**</b>	±0.07mm	0.01mm	3,350	

\*( ): Minimum dimension in ID measurement \*\*Models are not IP67 rated

Inch/Metric		Digital model			
Range*	Order No.	Accuracy	Resolution	Mass (g)	Remarks
0 (.4") - 8" / 0 (10) - 200mm	<b>550-311-20</b>	±.001"	.0005" / 0.01mm	180	IP67
0 (.4") - 12" / 0 (10) - 300mm	<b>550-341-10</b>	±.0015"	.0005" / 0.01mm	380	w/ offset/preset function for easy ID measurement, IP67
0 (.5") - 18" / 0 (20) - 450mm	<b>550-223-10**</b>	±.002"	.0005" / 0.01mm	1,110	—
0 (.5") - 24" / 0 (20) - 600mm	<b>550-225-10**</b>	±.002"	.0005" / 0.01mm	1,290	—
0 (1") - 40" / 0 (20) - 1000mm	<b>550-227-10**</b>	±.003"	.0005" / 0.01mm	3,350	—

\*( ): Minimum dimension in ID measurement \*\*Models are not IP67 rated

Metric		with metric/metric dual scale			
Range*	Order No.	Accuracy	Graduation	Mass (g)	Remarks
0 (20) - 450mm	<b>160-130</b>	±0.10mm	0.02mm	1,100	—
0 (20) - 600mm	<b>160-131</b>	±0.10mm	0.02mm	1,300	—
0 (20) - 1000mm	<b>160-132</b>	±0.15mm	0.02mm	3,350	—
0 (20) - 1500mm	<b>160-133</b>	±0.22mm	0.05mm	4,850	
0 (20) - 2000mm	<b>160-134</b>	±0.28mm	0.05mm	10,000	

\*( ): Minimum dimension in ID measurement

### DIMENSIONS

Range	L	a	b	d	T
0 - 8" / 0 - 200mm	288 (290)	60	8	16	3
0 - 12" / 0 - 300mm	445	75	12	20	3.8
0 - 18" / 0 - 450mm	632	100	18	25	6
0 - 24" / 0 - 600mm	780	100	18	25	6
0 - 40" / 0 - 1000mm	1240	140	24	32	8
0 - 60" / 0 - 1500mm	1800	180	30	32	8
0 - 80" / 0 - 2000mm	2300	180	30	40	12

( ): Digital models