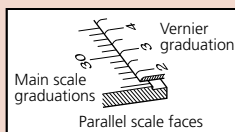




ABSOLUTE®
Absolute System Patented by MITUTOYO



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

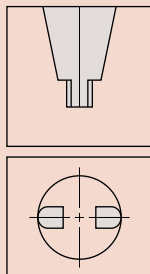
959143: Data hold unit

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



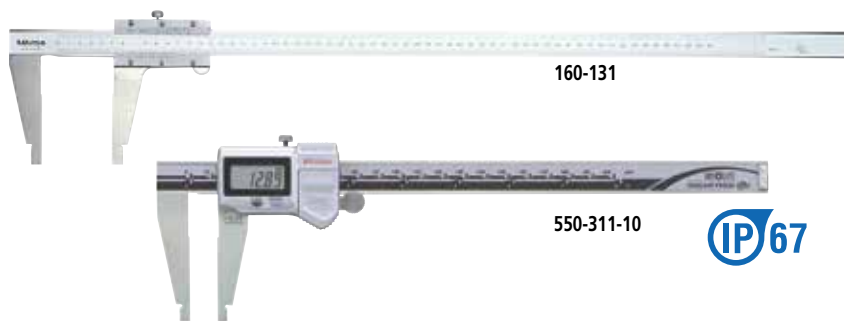
Round surface of jaws for accurate ID measurement.

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	550-301-20	±0.03mm	0.01mm	180	IP67
0 (10) - 300mm	550-331-10	±0.03mm	0.01mm	380	w/ offset/preset function for easy ID measurement, IP67
0 (20) - 450mm	550-203-10**	±0.05mm	0.01mm	1,110	
0 (20) - 600mm	550-205-10**	±0.05mm	0.01mm	1,290	
0 (20) - 1000mm	550-207-10**	±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	550-311-20	±.001"	.0005" / 0.01mm	180	IP67
0 (.4") - 12" / 0 (10) - 300mm	550-341-10	±.0015"	.0005" / 0.01mm	380	w/ offset/preset function for easy ID measurement, IP67
0 (.5") - 18" / 0 (20) - 450mm	550-223-10**	±.002"	.0005" / 0.01mm	1,110	—
0 (.5") - 24" / 0 (20) - 600mm	550-225-10**	±.002"	.0005" / 0.01mm	1,290	—
0 (1") - 40" / 0 (20) - 1000mm	550-227-10**	±.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	160-130	±0.10mm	0.02mm	1,100	—
0 (20) - 600mm	160-131	±0.10mm	0.02mm	1,300	—
0 (20) - 1000mm	160-132	±0.15mm	0.02mm	3,350	—
0 (20) - 1500mm	160-133	±0.22mm	0.05mm	4,850	
0 (20) - 2000mm	160-134	±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