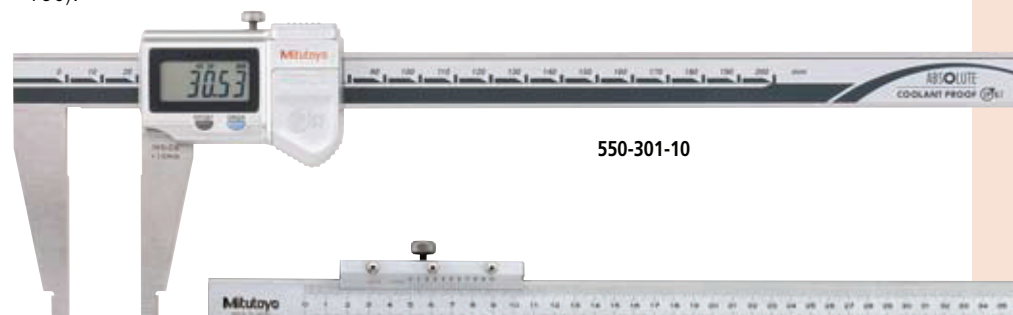
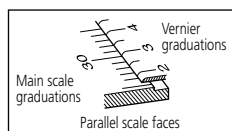


ABSOLUTE Digimatic & Vernier Caliper

SERIES 550, 160 — with Nib Style Jaws

FEATURES

- The rounded faces of the jaws are ideal for accurate inside diameter (ID) measurement.
- Inside and outside measurements can be read directly from the upper and lower vernier scales (Series 160).
- Fine-adjustment type is available (Series 160).
- Parallax-free vernier scale type is available for easy and positive measurement (Series 160).
- SPC output (Series 550).



550-301-10



160-130

SPECIFICATIONS

Metric Digital model

Range*	Order No.	Accuracy	Remarks
0 - 200mm (10 - 210mm)	550-301-10	±0.03mm	IP67
0 - 300mm (10 - 310mm)	550-331-10	±0.04mm	IP67, with offset/preset function for easy inside measurement
0 - 450mm (20 - 470mm)	550-203-10	±0.05mm	—
0 - 600mm (20 - 620mm)	550-205-10	±0.05mm	—
0 - 1000mm (20 - 1020mm)	550-207-10	±0.07mm	—

*(): Inside measurement

Inch/Metric Digital model

Range*	Order No.	Accuracy	Remarks
0 - 8" (.4" - 8.4")	550-311-10	±.0015"	IP67
0 - 12" (.4" - 12.4")	550-341-10	±.002"	IP67, with offset/preset function for easy inside measurement
0 - 18" (.5" - 18.5")	550-223-10	±.002"	—
0 - 24" (.5" - 24.5")	550-225-10	±.002"	—
0 - 40" (1" - 41")	550-227-10	±.003"	—

*(): Inside measurement

Metric with metric/metric double scale

Range*	Order No.	Accuracy	Remarks
0 (20) - 450mm	160-130	±0.10mm	—
0 (20) - 600mm	160-131	±0.10mm	—
0 (20) - 1000mm	160-132	±0.15mm	—

*(): Minimum dimension in inside measurement

DIMENSIONS

Series 550 / 160					Series 551 / 533					Unit: mm				
Range	a	b	c	R	Range	a	b	c	R					
0 - 200mm	60	40.5	8	5	0 - 200mm	60	43	8	30	5				
0 - 300mm	75	50.5	12	5	0 - 300mm	90	68	10	40.1	5				
0 - 450mm	100	65	18	10	0 - 450mm	150	115	15	56	10				
0 - 600mm	100	65	18	10	0 - 600mm	150	115	15	56	10				
0 - 1000mm	140	95	24	10	0 - 1000mm	150	115	20	56	10				

SPC

ABSOLUTE®
Absolute System Patented by MITUTOYO

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IP67

(Refer to page VIII for details.)

Technical Data

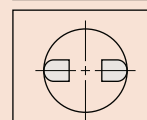
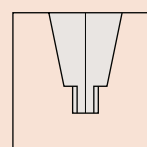
Accuracy: Refer to the list of specifications.
(excluding quantizing error for digital models)
Resolution*: 0.01mm or .0005"/0.01mm
Graduation**: 0.02mm
Display*: LCD
Scale type*: ABSOLUTE electrostatic linear encoder
Max. response speed*: Unlimited
Battery*: SR44 (1 pc.), **938882**
Battery life*: Approx. 3 years under normal use
(1 year: 300mm models)
(3.5 years: over 300mm models)
Dust/Water protection level*: IP67 (models up to 300mm)
*Digital models **Analog models

Functions of Digital Model

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

Optional Accessories for Digital Model

05CZA624: SPC cable with data switch (1m)*
05CZA625: SPC cable with data switch (2m)*
02AZD790A: SPC cable for U-WAVE w/ data switch (160mm)*
959143: Data hold unit
959149: SPC cable with data switch (1m)
959150: SPC cable with data switch (2m)
02AZD790C: SPC cable for U-WAVE w/ data switch (160mm)
*For IP67 models (up to 300mm)



Round surface of jaws for accurate CD measurement