ABSOLUTE Digimatic Caliper

SERIES 551, 533 — with Nib Style and Standard Jaws

(Refer to page VIII for details.)

Technical Data

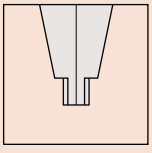
Accuracy: Refer to the list of specifications.
(excluding quantizing error for digital models)
Resolution: 0.01mm or .0005"/0.01mm
Display: LCD
Scale type: ABSOLUTE electrostatic linear encoder
Max. response speed: Unlimited
Battery: SR44 (1 pc.), **938882**
Battery life: Approx. 3 years under normal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

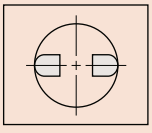
Functions of Digital Model

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)

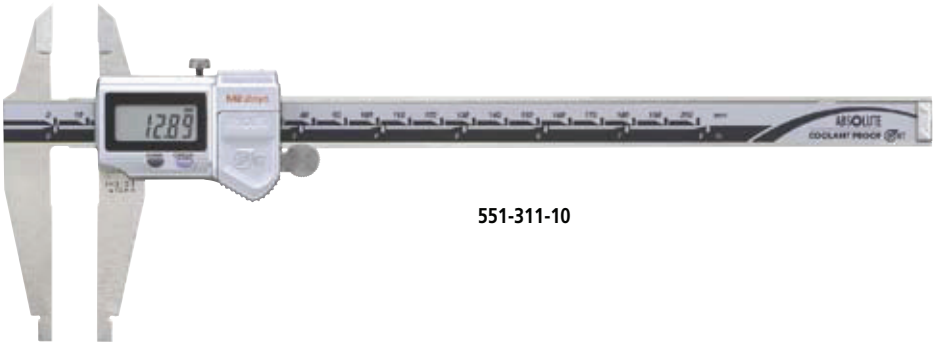




Round surface of jaws for accurate CD measurement

FEATURES

- The rounded faces of the jaws are ideal for accurate inside diameter (ID) measurement.
- SPC output. (Series 551)
- Inside and outside measurements can be read directly from the upper and lower vernier scales (Series 533).



551-311-10

533-404

SPECIFICATIONS

Metric Digital model

Range*	Order No.	Accuracy	Remarks
0 - 200mm (10 - 210mm)	**551-301-10**	±0.03mm	IP67
0 - 300mm (10 - 310mm)	**551-331-10**	±0.04mm	IP67, with offset/preset function for easy inside measurement
0 - 500mm (20 - 520mm)	**551-204-10**	±0.06mm	—
0 - 750mm (20 - 770mm)	**551-206-10**	±0.06mm	—
0 - 1000mm (20 - 1020mm)	**551-207-10**	±0.07mm	—

*( ): inside measurement

Inch/Metric Digital model

Range*	Order No.	Accuracy	Remarks
0 - 8" (.4" - 8.4")	**551-311-10**	±.0015"	IP67
0 - 12" (.4" - 12.4")	**551-341-10**	±.002"	IP67, with offset/preset function for easy inside measurement
0 - 20" (.5" - 20.5")	**551-224-10**	±.0025"	—
0 - 30" (.5" - 30.5")	**551-226-10**	±.0025"	—
0 - 40" (1" - 41")	**551-227-10**	±.003"	—

*( ): inside measurement

Metric with metric/metric double scale

Range*	Order No.	Accuracy	Remarks
0 (20) - 500mm	**533-404**	±0.10mm	—
0 (20) - 750mm	**533-405**	±0.12mm	—
0 (20) - 1000mm	**533-406**	±0.15mm	—

*( ): inside measurement

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