

Radiused jaws for accurate ID measurement

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 electromagnetic induction linear encoder
Max. response speed: Unlimited
Battery: **SR44** (1 pc), **938882**,
for initial operational checks (standard accessory)
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)
*This model is not waterproof type.
Therefore, rustproofing shall be applied after use.

Optional accessories

For details, refer to page D-39.

959143: Data hold unit

Connecting cables for IT/DP/MUX

05CZA624: SPC cable with data button (1m)*

05CZA625: SPC cable with data button (2m)*



959149: SPC cable with data button (1m)

959150: SPC cable with data button (2m)

USB Input Tool Direct

06ADV380A: SPC cable for USB-ITN-A (2m)*

06ADV380C: SPC cable for USB-ITN-C (2m)

Connecting cables for U-WAVE-T

02AZD790A: SPC cable for U-WAVE with data button
(160mm)*

02AZE140A: SPC cable for footswitch*

02AZD790C: SPC cable for U-WAVE with data button
(160mm)

02AZE140C: SPC cable for footswitch

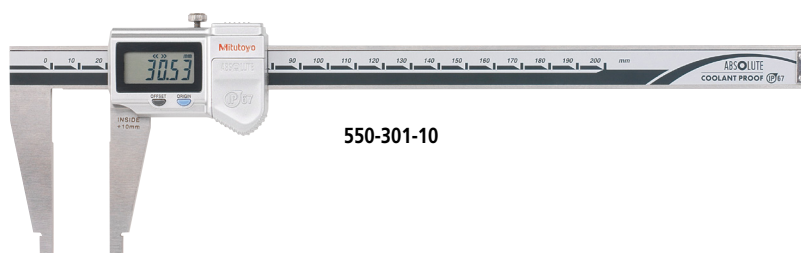
* For IP67 models (up to 300mm)

ABSOLUTE Digimatic Caliper 550 Series — with Nib Style Jaws

- Offers a resolution of 0.01mm with corresponding accuracy.
- Incorporates an Absolute measurement system. No need to reset the origin after switching on. (Refer to page D-8 for a description of Absolute measurement.)
- Code Nos. 550-301-10, 550-331-10, 550-311-10 and 550-341-10: IP67 (These models are not a waterproof type. Therefore a rustproofing shall be applied after use.)
- Allows integration into statistical process control and measurement systems for models

with measurement data output connector.
Refer to page A-3.

- ID measurement value: displayed value + (the minimum inside measurement value mentioned below). OFFSET switch allows to input a compensation value so that the measurement value can be read directly (Code Nos. 550-301-10, 550-331-10, 550-311-10 and 550-341-10). Preset function allows to set a desired starting point (Code Nos. 550-331-10 and 550-341-10).



550-301-10

SPECIFICATIONS

Metric			
Order No.	Range*	Accuracy	Remarks
550-301-10	0 - 200mm (10.1 - 210mm)	±0.03mm	IP67
550-331-10	0 - 300mm (10.1 - 310mm)	±0.04mm	IP67, with offset/preset function for easy inside measurement
550-203-10	0 - 450mm (20.1 - 470mm)	±0.05mm	—
550-205-10	0 - 600mm (20.1 - 620mm)	±0.05mm	—
550-207-10	0 - 1000mm (20.1 - 1020mm)	±0.07mm	—

* () : Inside measurement

Note: Series 550 is not equipped with a depth bar.

Inch/Metric			
Order No.	Range*	Accuracy	Remarks
550-311-10	0 - 8" (.404" - 8.4")	±.0015"	IP67
550-341-10	0 - 12" (.404" - 12.4")	±.002"	IP67, with offset/preset function for easy inside measurement
550-223-10	0 - 18" (.504" - 18.5")		—
550-225-10	0 - 24" (.504" - 24.5")		—
550-227-10	0 - 40" (.504" - 40.2")	±.003"	—

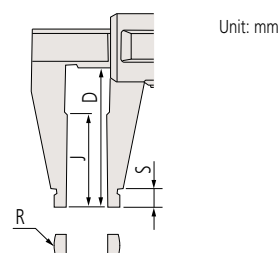
* () : Inside measurement

Note: Series 550 is not equipped with a depth bar.

DIMENSIONS

Range	D	J	S	R
0 - 200mm	60	40.5	8	5
0 - 300mm	75	50.5	12	5
0 - 450mm	100	65	18	10
0 - 600mm	100	65	18	10
0 - 1000mm	140	95	24	10

Jaw thickness: 3mm for 0 - 200mm model
3.8mm for 0 - 300mm model
6mm for 0 - 450mm and 0 - 600mm models
8mm for 0 - 1000mm model



Unit: mm