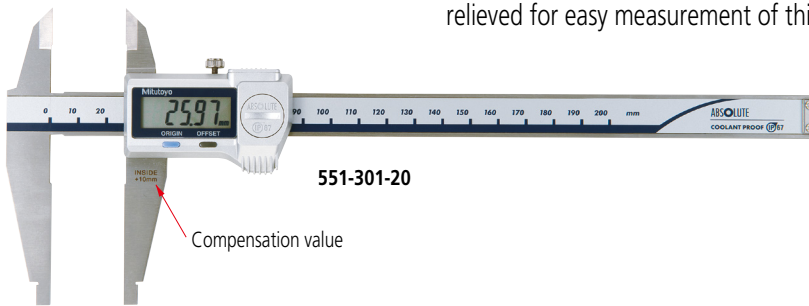


Calipers

An industry standard measuring tool

ABSOLUTE Digimatic Caliper 551 Series - with Nib Style and Standard Jaws

- Offers a resolution of 0.01 mm 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.)
- 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 + (a compensation value displayed on the main unit). OFFSET switch allows to input a compensation value so that the measurement value can be read directly (Order No. 551-301-20, 551-331-10, 551-311-20 and 551-341-10). Preset function allows to set a desired starting point (Order No. 551-331-20 and 551-341-10).
- Tips of the outside measurement jaw are relieved for easy measurement of thin parts.



551-301-20

Compensation value

SPECIFICATIONS

Metric

Order No.	Range*	Accuracy	Remarks
551-301-20	0 - 200mm (10.1 - 210 mm)	±0.03 mm	IP67
551-331-10	0 - 300mm (10.1 - 310 mm)	±0.04 mm	IP67, with offset/preset function for easy inside measurement
551-204-10	0 - 500mm (20.1 - 520 mm)	±0.06 mm	—
551-206-10	0 - 750 mm (20.1 - 770 mm)	±0.06 mm	—
551-207-10	0 - 1000 mm (20.1 - 1020 mm)	±0.07 mm	—

* () : inside measurement

Note: Series 551 is not equipped with a depth bar.

Inch/Metric

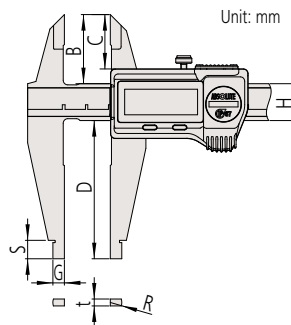
Order No.	Range*	Accuracy	Remarks
551-311-20	0 - 8 in (0.404 in - 8.4 in)	±0.0015 in	IP67
551-341-10	0 - 12 in (0.404 in - 12.4 in)	±0.002 in	IP67, with offset/preset function for easy inside measurement
551-224-10	0 - 20 in (0.504 in - 20.5 in)	±0.0025 in	—
551-226-10	0 - 30 in (0.504 in - 30.5 in)	±0.0025 in	—
551-227-10	0 - 40 in (1.004 in - 41 in)	±0.003 in	—

* () : inside measurement

Note: Series 551 is not equipped with a depth bar.

DIMENSIONS

Range	B	C	D	G	S	H	t	R
0 - 200 mm	30	23.6	60	5	8	16	3	5
0 - 300 mm	40.1	32.4	90		10	20	3.8	
0 - 500 mm	56	44.9	150	10	15	25	6	10
0 - 750 mm	56				20	32	8	
0 - 1000 mm	56	43.8						



MeasurLink ENABLED
Data Management Software by Mitutoyo

Products equipped with the measurement data output function can be connected to the measurement data network system MeasurLink (refer to page A-5 for details).

ABSOLUTE™

(Refer to page X for details.)

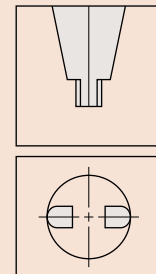
IP67

(Refer to page X for details.)

TÜVRheinland
CERTIFIED

(Refer to page X for details.)

www.tuv.com
ID 000045042



Radiused jaws for accurate ID measurement

Technical Data

Accuracy: Refer to the list of specifications. (excluding quantizing error for digital models)

Resolution: 0.01 mm or 0.0005 inch/0.01 mm

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. 5 years under normal use

(1 year: 300 mm models)

(3.5 years: over 300 mm models)

Dust/Water protection level: IP67* (models up to 300 mm)

*Rustproofing shall be applied after use if caliper was in contact with coolant.

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 (1 m)*

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



959149: SPC cable with data button (1 m)

959150: SPC cable with data button (2 m)

USB Input Tool Direct

06AFM380A: SPC cable for **USB-ITN-A** (2 m)*

06AFM380C: SPC cable for **USB-ITN-C** (2 m)

Wireless data output **U-WAVE/fit**

U-WAVE-TC: **264-620** (IP67 type)

264-621 (Buzzer type)

Connecting unit for U-WAVE-TC:

02AZF310 (IP67 type)

02AZF300 (Buzzer type)

Refer to page A-15 for details

* For IP67 models (up to 300 mm)