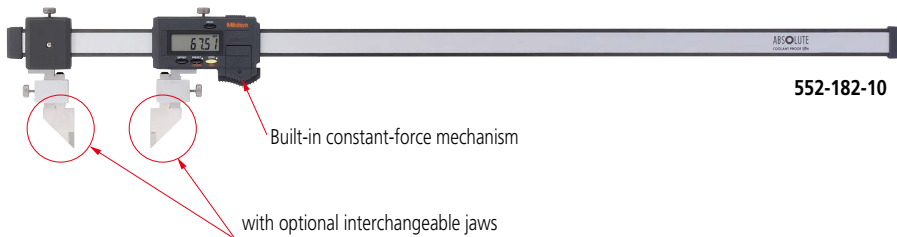


# Calipers

## ABSOLUTE Coolant Proof Carbon Fiber Caliper SERIES 552 — with Interchangeable Jaws

- IP66 Absolute Digital Caliper (Refer to page D-5 for a description of Absolute measurement.)
- The range of applications can be expanded by using interchangeable jaws (optional).



### SPECIFICATIONS

Metric				
Order No.	Range (mm)	Resolution (mm)	Maximum permissible error (mm)*1	
			EMPE	SMPE
552-181-10	0 - 450	0.01	±0.04	
552-182-10	0 - 600		±0.05	
552-183-10	0 - 1000		±0.09	
552-184-10	0 - 1500		±0.12	
552-185-10	0 - 2000			

Inch/Metric				
Order No.	Range	Resolution	Maximum permissible error*1	
			EMPE	SMPE
552-191-10	0 - 18 in/0 - 450 mm	0.0005 in/0.01 mm	±0.002 in/±0.04 mm	
552-192-10	0 - 24 in/0 - 600 mm		±0.002 in/±0.05 mm	
552-193-10	0 - 40 in/0 - 1000 mm		±0.004 in/±0.09 mm	
552-194-10	0 - 60 in/0 - 1500 mm		±0.005 in/±0.12 mm	
552-195-10	0 - 80 in/0 - 2000 mm			

- Dust/Water protection level: IP66 (IEC 60529)\*2
  - Battery: SR44 (1 pc.), **938882**, for initial operational checks (standard accessory)
  - Battery life: Approx. 5,000 hours in continuous use
  - Max. response speed: Unlimited
- \*1 Partial Surface Contact Error, *EMPE* and Shift Error, *SMPE* are terms (notations) used in ISO 13385-1:2019.
- \*2 Rustproofing shall be applied after use if caliper was in contact with coolant.
- Note1: The Maximum permissible error (MPE) values described above were measured using a dedicated outside measurement inspection tool.
- Note2: A constant-force mechanism is used in the finger rest; however, this is only an auxiliary mechanism to avoid measurement error caused by excessive measuring force. To measure with good accuracy, use the minimum necessary measuring force for the caliper measuring faces to make sufficient contact with the workpiece. Refer to page D-45 for details.

MeasurLink<sup>®</sup> ENABLED  
Data Management Software by Mitutoyo

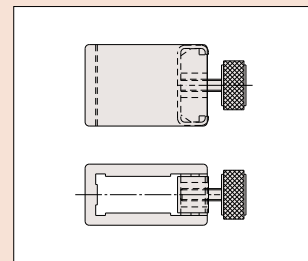
ABSOLUTE<sup>™</sup>



### Functions

- Zero-setting
  - Data hold
  - Offsetting
  - Presetting
  - Data output
  - Low-power and low-voltage alert
  - Counting value composition error
  - Automatic power on/off, inch/mm reading (inch/mm models)
- LCD display turns off after 20 minutes inactivity but the ABS scale unit origin is stored. Moving the slider restores the display.

### Standard Accessories (2 pcs.)



Jaw clamps: 05GZA033

### Optional Accessories

Order No.	Type	Description
05CZA624	A	Connecting cables for IT/DP/MUX (1 m)
05CZA625	A	Connecting cables for IT/DP/MUX (2 m)
06AFM380A	A	USB Input Tool Direct (2 m)
02AZD790A	A	Connecting cables for U-WAVE-T (160 mm)
02AZE140A	A	Connecting cables for U-WAVE-T For foot switch