

ABSOLUTE™ (Refer to page X for details.)

IP66 (Refer to page X for details.)

TÜVRheinland
CERTIFIED (Refer to page X for details.)
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ID 000022582

ABSOLUTE Coolant Proof Carbon Fiber Caliper SERIES 552 - with Long Jaws

MeasurLink ENABLED
Data Management Software by Mitutoyo

- IP66 Absolute Digital Caliper (Refer to page D-8 for a description of Absolute measurement.)
- Lightweight Digimatic Calipers that employ CFRP (Carbon Fiber Reinforced Plastics) in the beam.
- Allows integration into statistical process control and measurement systems for models with measurement data output connector. Refer to page A-3.



Technical Data

Accuracy: Refer to the list of specifications. (excluding quantizing error)
Resolution: 0.01 mm or 0.0005 in/0.01 mm
Material of jaws: Stainless Steel Hardened
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. 5,000 hours in continuous use
Dust/Water protection level: IP66 (IEC 60529)*
Standard accessory: Jaw clamps (2 pcs.), 05GZA033
* Rustproofing shall be applied after use if caliper was in contact with coolant.

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)

Optional accessories

For details, refer to page D-39.
Connecting cables for **IT/DP/MUX**
05CZA624: SPC cable with data button (1 m)
05CZA625: SPC cable with data button (2 m)



USB Input Tool Direct

06AFM380A: SPC cable for **USB-ITN-A** (2 m)
Connecting cables for **U-WAVE-T**
02AZD790A: SPC cable for U-WAVE with data button (160 mm)
02AZE140A: SPC cable for footswitch

SPECIFICATIONS

Metric		
Order No.	Range*	Accuracy
552-150-10	0 - 450 mm (20.1 - 470 mm)	±0.06 mm
552-151-10	0 - 600 mm (20.1 - 620 mm)	
552-152-10	0 - 1000 mm (20.1 - 1020 mm)	±0.07 mm
552-153-10	0 - 1500 mm (20.1 - 1520 mm)	±0.11 mm
552-154-10	0 - 2000 mm (20.1 - 2020 mm)	±0.14 mm

* () : Dimension in inside measurement

Inch/Metric		
Order No.	Range*	Accuracy
552-160-10	0 - 18 in (0.504 - 18.5 in)	±0.0025 in
552-161-10	0 - 24 in (0.504 - 24.5 in)	
552-162-10	0 - 40 in (1.004 - 40.5 in)	±0.003 in
552-163-10	0 - 60 in (1.004 - 60.5 in)	±0.0045 in
552-164-10	0 - 80 in (1.004 - 80.5 in)	±0.0055 in

* () : Dimension in inside measurement

DIMENSIONS

Unit: mm

Range	E	F	H	K	L	N	P	U
0 - 450 mm (0-18 in)	91.8	65.5	25	173	680	89	8	10
0 - 600 mm (0-24 in)					830			(0.25 in)
0 - 1000 mm (0-40 in)	113.8	73	32	170.5	1280	110	12	10
0 - 1500 mm (0-60 in)					1790			(0.5 in)
0 - 2000 mm (0-80 in)					2300			

() : Inch/Metric type