

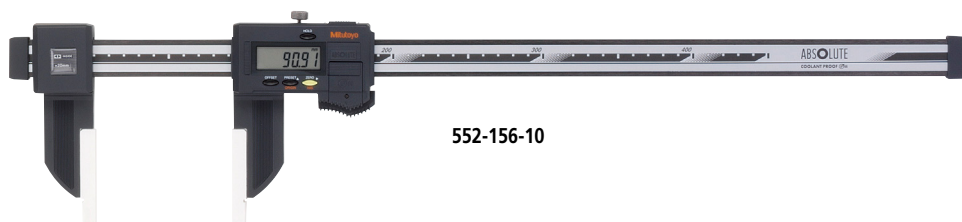
Calipers

An industry standard measuring tool

ABSOLUTE Coolant Proof Carbon Fiber Caliper SERIES 552 - with Ceramic 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.
- The zirconia-ceramic jaws make this caliper suitable for measuring moderately magnetic workpieces. However, since steel is used in the main unit, it may not be suitable for measuring strongly magnetic workpieces.



552-156-10

SPECIFICATIONS

Metric

Order No.	Range*	Accuracy
552-155-10	0 - 450 mm (20.1 - 47.0 in)	±0.04 mm
552-156-10	0 - 600 mm (20.1 - 62.0 in)	

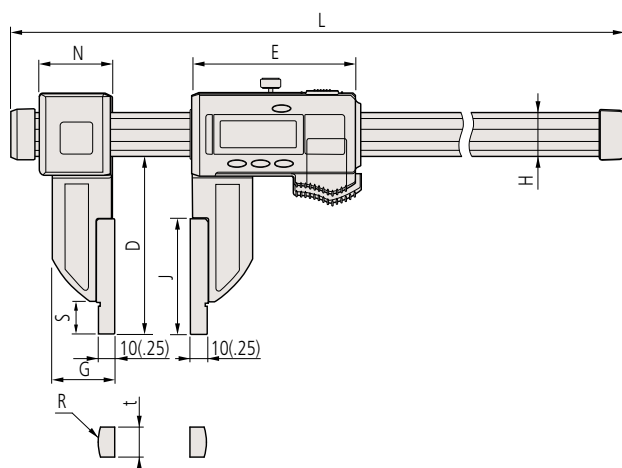
* (): Dimension in inside measurement

Inch/Metric

Order No.	Range*	Accuracy
552-165-10	0 - 18 in (0.504 - 18.5 in)	±0.002 in
552-166-10	0 - 24 in (0.504 - 24.5 in)	

* (): Dimension in inside measurement

DIMENSIONS



Unit: mm

Range	D	E	G	H	J	L	N	R	S	t
0-450 mm (0-18 in)	100	91.8	35	25	65	640	41.2	R10	18	8
0-600 mm (0-24 in)	100	91.8	35	25	65	790	41.2	R10	18	8

(): Inch/Metric type

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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.)

IP66

(Refer to page X for details.)



(Refer to page X for details.)

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: Ceramic
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