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

- 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 and jaws.

- Allows integration into statistical process control and measurement systems for models with measurement data output connector. Refer to page A-3.

552-151-10
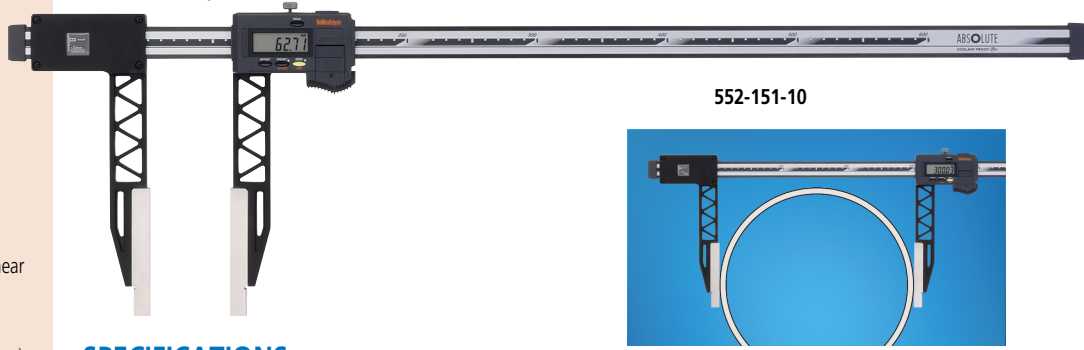
Technical Data
Accuracy: Refer to the list of specifications. (excluding quantizing error)
Resolution: 0.01mm or .0005"/0.01mm
Material of jaws: Stainless Steel Hardened
Display: LCD
Scale type: ABSOLUTE electromagnetic induction linear encoder
Max. response speed: Unlimited
Battery: **SR44** (1 pc), **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
*This model is not waterproof type. Please wipe away the wet after use.

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 (1m)
05CZA625: SPC cable with data button (2m)

USB Input Tool Direct
06ADV380A: SPC cable for **USB-ITN-A** (2m)
Connecting cables for **U-WAVE-T**
02AZD790A: SPC cable for U-WAVE with data button (160mm)
02AZE140A: SPC cable for footswitch

SPECIFICATIONS

Metric

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

* ( ): Dimension in inside measurement

Inch/Metric

Order No.	Range*	Accuracy
552-160-10	0 - 18" (.504 - 18.5")	±.0025"
552-161-10	0 - 24" (.504 - 24.5")	
552-162-10	0 - 40" (1.004 - 40.5")	±.003"
552-163-10	0 - 60" (1.004 - 60.5")	±.0045"
552-164-10	0 - 80" (1.004 - 80.5")	±.0055"

* ( ): Dimension in inside measurement

DIMENSIONS

Unit: mm

Range	E	F	H	K	L	N	P	U
0 - 450mm (0-18")	91.8	65.5	25	173	680	89	8	10 (.25")
0 - 600mm (0-24")					830			
0 - 1000mm (0-40")	113.8	73	32	170.5	1280	110	12	10 (.5")
0 - 1500mm (0-60")					1790			
0 - 2000mm (0-80")					2300			

( ): Inch/Metric type

Mitutoyo