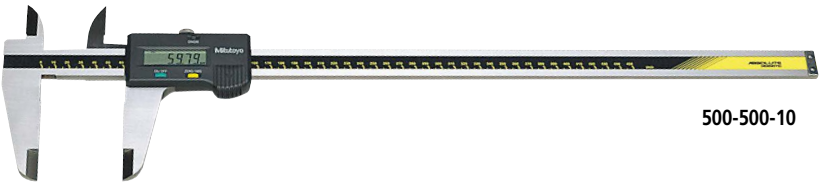


ABSOLUTE Digimatic Long Caliper
SERIES 500 — with Exclusive ABSOLUTE Encoder Technology

- This is a long-scale digital caliper. The digital display can reduce human error by preventing incorrect reading of measurement results.
- Incorporates Mitutoyo's ABSOLUTE measurement system. No need to reset the origin after switching on. Eliminates overspeed errors.
- Data output function allows integration into statistical process control and measurement systems. (Refer to page 09-3.)



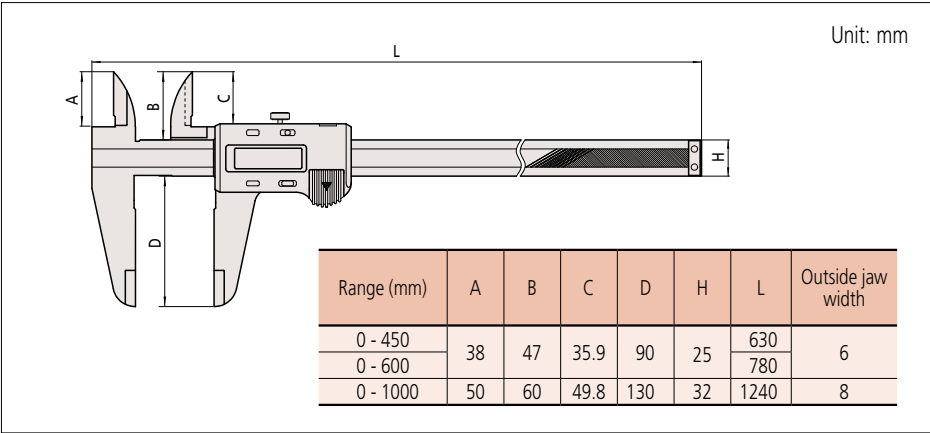
SPECIFICATIONS

Metric					
Code No.	Range (mm)	Resolution (mm)	Maximum permissible error (mm)*		Mass (g)
			<i>E</i> MPE	<i>S</i> MPE	
500-500-10	0 - 450	0.01	±0.05	±0.07	1170
500-501-10	0 - 600				1350
500-502-10	0 - 1000		±0.07	±0.09	3300

Inch / Metric					
Code No.	Range	Resolution	Maximum permissible error*		Mass (g)
			<i>E</i> MPE	<i>S</i> MPE	
500-505-10	0 - 18 in/0 - 450 mm	0.0005 in/0.01 mm	±0.002 in/±0.05 mm	±0.003 in/±0.07 mm	1170
500-506-10	0 - 24 in/0 - 600 mm				1350
500-507-10	0 - 40 in/0 - 1000 mm		±0.003 in/±0.07 mm	±0.004 in/±0.09 mm	3300

- Power source: SR44 battery (1 pc.). **938882** included as standard (for operational checks)
- Battery life: Approx. 3.5 years under normal use
- Response speed: Unlimited
- * The Partial Surface Contact Error (*E*MPE) and Shift Error (*S*MPE) are terms defined by ISO 13385-1:2019.

DIMENSIONS

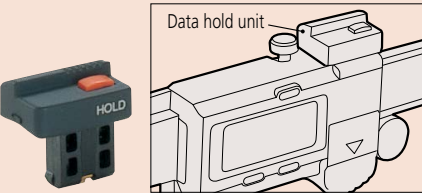


Optional Accessories

Code No.	Type	Description
264-020	—	USB Input Tool Series USB Keyboard Signal Conversion Type IT-020U
959149	C	Connection cable for IT/DP/MUX (1 m)
959150	C	Connection cable for IT/DP/MUX (2 m)
06AFM380C	C	USB Input Tool Direct (2 m)
02AZD730G	IP67*	U-WAVE-T
02AZD880G	Buzzer	U-WAVE-T
02AZE200	—	U-WAVE-T mounting bracket
02AZD790C	C	Connection cable for U-WAVE-T (160 mm)
02AZE140C	C	Connection cable for U-WAVE-T

* IP-67 is applied to this **U-WAVE-T**, but not to the calipers on page 04-9.

• Data hold unit



959143