

Calipers

An industry standard measuring tool

ABSOLUTE Coolant Proof Caliper SERIES 500 — with Dust/Water Protection Conforming to IP67 Level

MeasurLink¹ ENABLED
Data Management Software by Mitutoyo

- ABS Coolant Proof Caliper with Dust/Water Protection conforming to IP67 Level. Can be used in workshop conditions exposed to coolant, water, dust or oil. 100 % air-leak test ensures every caliper conforms to IP67.
- Large characters on the display provide better visibility, and high-contrast LCD reduces eyestrain.
- Easy to use — advanced ergonomic design uses only 1 button.
- The automatic power-on/off function shuts down the LCD display after 20 minutes inactivity, but the ABS scale origin is unaffected. Power is restored to the display when the slider is moved.
- Incorporates Mitutoyo's ABSOLUTE measurement system. No need to reset the origin.
- Allows step measurement.
- Battery cap does not require a screw driver for battery replacement (except for 0 to 300 mm/0 to 12 inch models).
- Extended battery life of Approx. 5 years due to low current integrated circuit (except for 0 to 300 mm/0 to 12 inch models).
- Can be integrated into statistical process control and measurement systems. (Refer to page A-3.)
- An inspection certificate is supplied as standard. (However, this cannot be used as a calibration certificate as it is undated.)



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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™

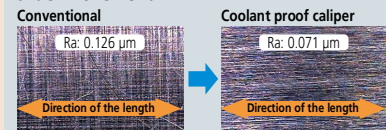
IP67



An inspection certificate is supplied as standard. Refer to page U-11 for details.

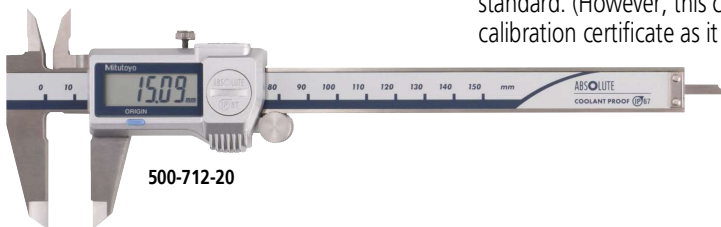
Smooth slider movement makes for comfortable operation.

High quality guide surface finish for smooth slider movement



Technical Data

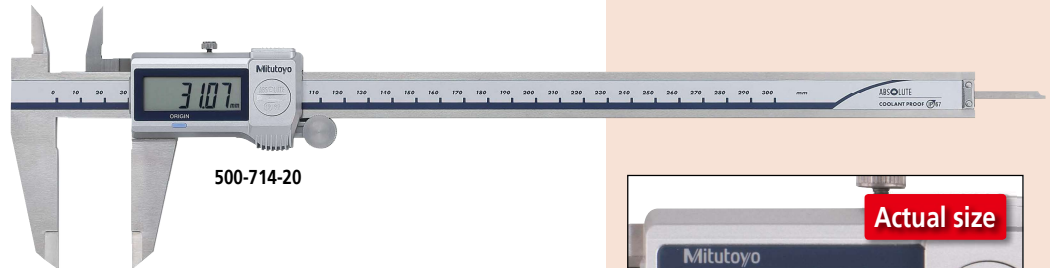
- Resolution: 0.01 mm or 0.0005 in/0.01 mm
 - Repeatability: 0.01 mm or 0.0005 in/0.01 mm
 - Quantizability error: Excluding ±1 count
 - Dust/Water protection level: IP67 (IEC60529)*
 - Scale type: ABSOLUTE electromagnetic induction linear encoder
 - Max. response speed: Unlimited
 - Battery: SR44 (1 pc), **938882**, for initial operational checks (standard accessory)
 - Battery life: Approx. 5 years under normal use
- * Although these models are IP67 rated, care should be taken to dry tool after use.



500-712-20

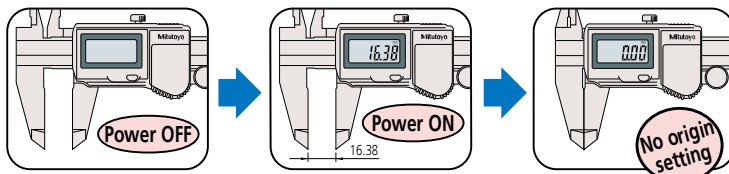


500-713-20



500-714-20

No need to reset the origin after switching on



Optional accessories



Connecting cables for IT/DP/MUX*

- 05CZA624: SPC cable with data button (1 m)
- 05CZA625: SPC cable with data button (2 m)

* Cannot be used for other than water resistant type Digital calipers with external output function.



USB Input Tool Direct

- 06AFM380A: SPC cable for USB-ITN-A (2 m)
- U-WAVE-T: 02AZD730G (IP67 type)
- 02AZD880G (Buzzer type)
- Wireless data output U-WAVE™
- U-WAVE-TC: 264-620 (IP67 type)
- 264-621 (Buzzer type)



Remarkably easy to read display

U-WAVE-TCB Transmitter (Mitutoyo Bluetooth® U-WAVE)

- 264-624 (IP type)
 - 264-625 (Buzzer type)
- Refer to page A-15 for details.

Connecting unit for U-WAVE-TC/TCB

- 02AZF310 (IP67 type)
- 02AZF300 (Buzzer type*)

* IP67 model is water/dust-proofed suitable for the factory floor. Buzzer type is not water/dust-proofed. Refer to pages A-16 and A-18 for details.