

Calipers

An industry standard measuring tool

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

MeasurLink[®] 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.
- Battery cap does not require a screw driver for battery replacement (except for 0 - 300 mm / 0 - 12 inch models).
- Extended battery life of 5 years due to low current integrated circuit (except for 0 - 300 mm / 0 - 12 inch models).
- Easy to use — advanced ergonomic design uses only 1 button.
- Incorporates Mitutoyo's ABSOLUTE measurement system. No need to reset the origin.
- 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.
- Stepped features can be measured.
- Can be integrated into statistical process control and measurement systems.
- An inspection certificate is supplied as standard. (However, this cannot be used as a calibration certificate as it is undated.)



500-712-20

**GOOD DESIGN
AWARD 2015**

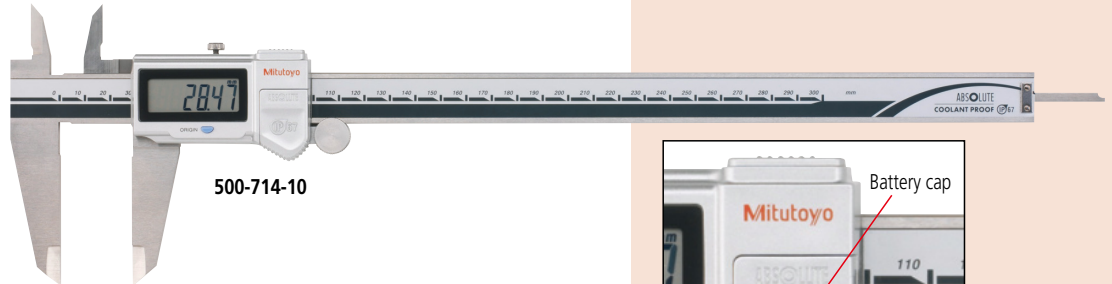


Actual size

Remarkably easy to read display

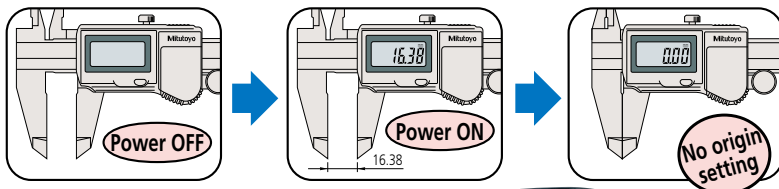


500-713-20



500-714-10

A built-in ABS (absolute) scale means that these calipers are ready to use immediately after power-on without origin resetting – just like using a vernier caliper.



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)

* 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)

Wireless data output **U-WAVE fit**
U-WAVE-TC: 264-620 (IP67 type)
264-621 (Buzzer type)

Connecting unit for U-WAVE-TC:
02AZF310 (IP67 type)
02AZF300 (Buzzer type)
Refer to page A-15 for details

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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.)

IP67

(Refer to page X for details.)



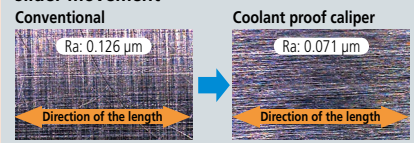
(Refer to page X for details.)



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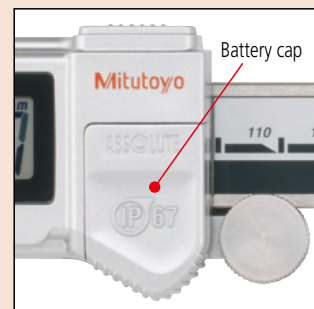
Smooth slider movement makes for comfortable operation.

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
Quantizing error: Excluding ±1 count
Dust/Water protection level: IP67 (IEC60529)*
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 years under normal use (1 year: 0 - 300 mm/0 - 12 inch models)
* Although these models are IP67 rated, care should be taken to dry tool after use.



Electronic unit (only 500-714-10)