

Micrometer

The origin of Mitutoyo's trustworthy brand of small tool instruments

Coolant Proof Micrometers SERIES 293 — with Dust/Water Protection Conforming to IP65 Level

- Based on new water-proof structural technology, these micrometers provide IP65 protection levels, enabling use in environments that include cutting oil, etc*.
- * Anti-corrosion treatment is required after use.
- $\pm 1\mu\text{m}$ instrumental error (75mm/3" or less measuring range models).
- Measuring data output function is available with a water-resistant connecting cable to realize IP65.
- Oil-resistant materials are used in all plastic components.
- Further-Increased operability thanks to easy-to-read LCD with 30% more character area.
- Auto power ON/OFF function.
- Models equipped with a Digimatic output port can form part of a statistical process control or networked measurement system. (Refer to page A-3 for details.)
- Interface Input Tools are available that enable the conversion of measurement data to keyboard signals that are then directly input to cells in off-the-shelf spreadsheet software such as Excel. (Refer to page A-5 for details.)
- Two types of constant-force devices are available: Ratchet Stop and Ratchet Thimble.
- Measuring faces: Carbide



These marks indicate that a product has successfully passed IP65-level testing, which is carried out by the independent German certification organization TÜV Rheinland.



An inspection certificate is supplied as standard. Refer to page IX for details.

IP Codes

- Level 6: Dust-proof.
No ingress of dust allowed.
- Level 5: Protected against water jets.
Water projected in jets against the enclosure from any direction shall have no harmful effects.

Technical Data

- Flatness: 0.3 μm /0.00012"
- Dust/water protection level: IP65 (IEC60529) *2
- Measuring force: 5 to 10N
- Battery: **SR44** (1 pc), **938882**, for initial operational checks (standard accessory)
- Battery life: Approx. 1.2 years under normal use
- Standard accessories: Reference bar, 1 pc (except for 0-25mm (0-1") models)
Spanner (**301336**), 1 pc

*2 Rustproofing shall be applied after use.

Optional accessories

(Only for models with data output function)

Connecting cables with output switch *3

1m: **05CZA662**

2m: **05CZA663**

USB Input Tool Direct

USB-ITN-B (2m): **06ADV380B**

Connecting cables for **U-WAVE-T** (160mm)

02AZD790B

For foot switch: **02AZE140B**

Refer to page A-21 for details.



*3 These are dedicated connecting cables for Coolant Proof micrometers.

