

Coolant Proof Micrometer

Micrometro Impermeabile

Skärvätsketät Mikrometer

클린트푸르프 마이크로미터

防冷却液型外径千分尺

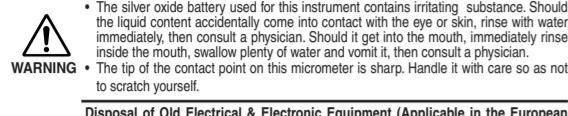
防塵防水數位外徑測微器

Safety Precautions

To ensure operator safety, use this instrument in conformance with the directions and specifications given in this User's Manual.

Export Control Compliance

The goods, technologies or software described herein may be subject to National or International, or Japanese Export Controls. To export directly or indirectly such matter without due approval from the appropriate authorities may therefore be a breach of export control regulations and the law.



WARNING • The tip of the contact point on this micrometer is sharp. Handle it with care so as not to scratch yourself.

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

• This symbol on the product or on its packaging indicates that this product shall not be disposed of with your household waste. Please dispose of this product in accordance with local regulations for the environmental impact of WEEE (Waste Electrical and Electronic Equipment) and minimize the volume of WEEE entering landfills, please reuse and recycle.

• For further information, please contact your local dealer or distributors.

IMPORTANT

• Do not disassemble. It may damage the instrument. It may damage the instrument.

• Do not use and store the micrometer at sites where the temperature will change abruptly. Prior to use, always stabilize the unit by holding it near room temperature.

• Do not store the micrometer in a humid or dusty environment.

• When using the micrometer in a position where it may be splashed directly with coolant, or the like, ensure that the battery cover is closed tightly. In models with external output, when installing the cover, do not apply force to the cover or the battery compartment.

• After using the micrometer in a position where it may be splashed directly with coolant, or the like, remove the cover and clean the cover and the battery compartment.

• Do not apply sudden shocks including a drop or excessive force to the micrometer.

• Always perform cutting prior to measurement.

• When performing cutting, hold the instrument before and after use.

• Clean the instrument, use a soft cloth soaked in a diluted neutral detergent. Do not use any organic solvents (Thinner, etc.). It may deform or damage the instrument.

• The spindle is designed so that it can be removed from the inner sleeve. Do not move it past the center of the sleeve.

• Do not use an electric marking pen or other such devices on the micrometer. It may damage the instrument.

• The LCD automatically turns off if it has been idle for 20 minutes. To turn on the LCD, turn the thumb or press the ZERO/ABS button.

• Do not charge or disassemble the battery. Doing so may cause short circuit.

• If the micrometer is not used for more than 3 months, remove the battery from the micrometer for safe storage. Do not apply pressure to the battery or the spindle due to the micrometer.

• The warranty shall not be valid if the product is damaged as a result of fair wear and tear including battery drain.

• Do not immerse the micrometer in water during use, as this may possibly lead to infiltration of coolant or liquid. Furthermore, exercise caution when using the device in a position where it is sprayed directly with liquid, as infiltration of coolant, etc., may be unavoidable in such cases, depending on the conditions of use.

Refer to the illustrations at rear while reading this manual.

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[1] Name of Each Part

1. ORIGIN button 2. ZERO/ABS button 3. HOLD button

4. Inch/mm select button (only on inch/metric models) 5. LCD

6. Thimble (type varies depending on the model) 7. Spindle

8. Clamp knob 9. Data output connector (for the external output type only) 10. Cover (for the external output type only) 11. Battery compartment cover (at rear)

12. Coolant proof (Coolant proof type only)

[2] Installing the Battery

IMPORTANT

• When the battery has been installed, first press the ORIGIN button, but do not rotate the thimble while the origin values are being set (see Fig[2]). Rotating the thimble during this time may result in failure in setting the default settings by the electrical unit which will prevent the obtaining of a correct count. Reinstall the battery if you should happen to have moved the thimble during this time.

• If the micrometer is not used for more than 3 months, remove the battery from the micrometer for safe storage. Do not apply pressure to the battery or the spindle due to the micrometer.

• The warranty shall not be valid if the product is damaged as a result of fair wear and tear including battery drain.

• Do not immerse the micrometer in water during use, as this may possibly lead to infiltration of coolant or liquid. Furthermore, exercise caution when using the device in a position where it is sprayed directly with liquid, as infiltration of coolant, etc., may be unavoidable in such cases, depending on the conditions of use.

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[3] Button Function and Display Indication

1. Button function

Press the button Press and hold

(1) ZERO/ABS button: Press to zero-set the display. Press and hold to display the dimension from the datum point (measuring force of the anvil).

(2) HOLD button: Holds the display value.

2. Display indicators

• INC: Incremental mode for comparative measurement.

• H: The display value is held. To cancel it press the HOLD button.

• P: The function lock is valid.

When the function lock is set, a lit in the LCD and only the [HOLD] operation is possible. Invalid switch: ORIGIN, ZERO/ABS, in/mm (only on inch/metric models)

Operation to be valid function lock

• Press [HOLD] first. An "H" is lit in the LCD.

(2) H lights in the LCD and "H" disappears.

(3) Perform the same procedure when canceling function lock.

• For disposing of the battery, follow the local ordinances or regulations.

Install the supplied battery by referring to the instruction at rear (see Fig[2]).

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