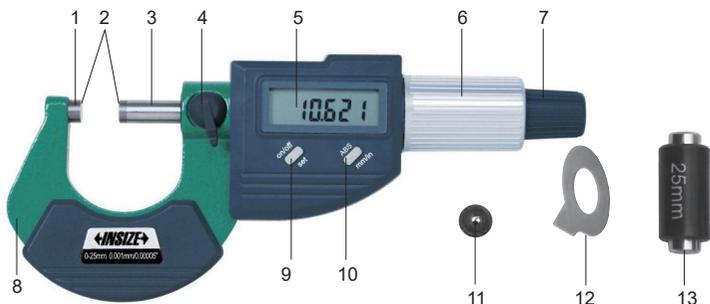




OPERATION INSTRUCTION

Digital Outside Micrometer

Resolution: 0.001mm/0.00005"
 Accuracy: $\pm 0.002\text{mm}$ (Range: 0-50mm)
 $\pm 0.003\text{mm}$ (Range: 50-150mm)
 $\pm 0.004\text{mm}$ (Range: 150-200mm)



- | | |
|--------------------------|-------------------------------------|
| 1-Anvil | 8-Frame |
| 2-Carbide measuring face | 9-'on/off...set' button |
| 3-Spindle | 10-'ABS...mm/in' button |
| 4-Locking spanner | 11-Spherical anvil |
| 5-LCD display | 12-Spanner |
| 6-Ratchet thimble | 13-Setting standard (except 0-25mm) |
| 7-Ratchet on speeder | |

1. The product is not waterproof. Please prevent liquid or dust from getting into micrometer to damage electronics.

2. Install battery:

- Turn the battery cover with the spanner (fig.1), then remove it.
- Put CR2032 battery into battery house, positive side of battery(+) should face out (fig. 2).
- Tilt the battery cover to align it with the snap position and press it down, then use a spanner to turn the battery cover clockwise to lock it. (fig.3)

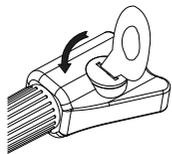


fig.1

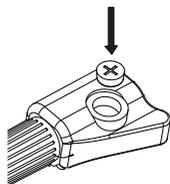


fig.2

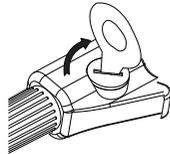


fig.3

3. Buttons:

- on/off...set
 - short press(<2 sec.): power on/off
 - long press(>2 sec.): set the initial reading in absolute measuring mode ("ABS" on the display). For 0-25mm/0-1", close the two measuring faces and long press the button to set zero reading. For other sizes, let the setting standard ends be in contact with the measuring faces of micrometer (micrometer measures the setting standard), then long press the button and the reading shows the length of the setting standard.

ABS...mm/in

- short press(<2 sec.): for absolute and relative measuring mode conversion. The normal mode is absolute measuring mode, "ABS" is on display. Press the button to enter relative measuring mode at any point (this point is called 'relative zero point'), "INC" appears and the reading is zero. In this mode, the reading is the distance to the 'relative zero point'. Press the button again to return back to absolute measuring mode.
- long press(>2 sec.): metric/inch conversion

4. Please clean the measuring faces and setting standard ends, then set initial reading (refer to the instructions of "on/off...set" button). Micrometer should be checked regularly to make sure that it is properly initial reading set.

5. During measurement, let anvil contact with the workpiece first, then rotate friction thimble or ratchet stop. When measuring faces are close to, but not in contact with workpiece, rotate ratchet stop (do not rotate friction thimble at this time, which will damage the internal precision threads.). Read after you hear click.

Caution: When the measuring faces are close to, but not in contact with the workpiece, do not apply excessive force to rotate the ratchet stop, as it will lead to inaccurate results and may damage the internal precision threads.

6. Install spherical anvil on the anvil, the micrometer can measure tube thickness (fig.4).

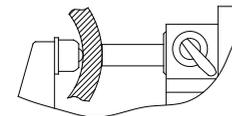


fig.4

- 7. Automatic power off in about 20 minutes. Press any button to turn on micrometer.
- 8. The battery can be used for half a year. If there is nothing on display or digits blurring, battery voltage is too low, please replace battery. If digits do not change when buttons are pressed or friction thimble is rotated, take out battery and put it back after 1 minute. Remove battery if micrometer is not be used for a long period of time, otherwise, liquid may leak from the battery and damage the micrometer.
- 9. Working temperature is 0-40°C/32-104°F.

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