OPERATION INSTRUCTION

Non-Rotating Spindle Digital Micrometer Series 3631

**Remove rust oil before use**

Resolution: 0.001mm/0.00005"
Repeatability: 1μm
Accuracy: ±2μm (Range: 0-50mm)
         ±3μm (Range: 50-150mm)

1-Fixed anvil
2-Carbide measuring faces
3-Spindle
4-Lock device
5-LCD display
6-Battery cover, data output
7-Ratchet stop
8-Frame
9-"REF mm/inch" button
10-"ON/OFF 0 HOLD" button
11-Setting standard (except 0-25mm)

1. Non-rotating spindle is suitable for cylindrical workpiece. Rotate ratchet stop on circle, spindle moves 1mm, quick measurement.

2. Install battery:
   Install and remove battery, the positive side of battery should face out(fig.1).

Remove
Install
CR2032
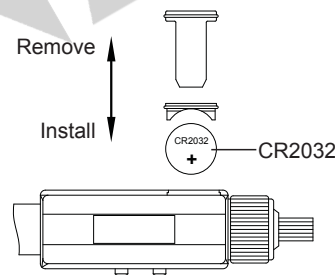
3. Button:
   (A is for "REF mm/inch", B is for "ON/OFF 0 HOLD")
   Press any button to power on
   Short press "A" to change inch and mm. Short press "B" to set zero or initial reading. Long press into standby mode, and then power off after 5s
   Press any button or rotate ratchet stop to power on when micrometer is in standby mode
   Long press "A" for "REF", "PRESET", "MIN MAX" and "TOL" mode conversion, release the button when the screen displays the chosen mode.
   I: "REF" mode: set two preset value: "REF I"、"REF II" (short press "A": preset data conversion), short press "B" and screen displays "HOLD", and short press again to exit hold mode, long press "A" to exit
   II: "PRESET" mode: set preset value(for an example: 25-50mm, the micrometer's preset value should be set 25mm, use setting standard to calibrate micrometer). Short press "A" to position digit, short press "B" to change the digit from 0 to 9, long press "A" to finish setting and exit
   III: "MIN MAX" mode: short press "A" for "MIN"(minimum value), "MAX"(maximum value) and "MIN MAX"(maximum range) conversion. Short press "B" to re-record data and long press "A" to exit
   IV: "TOL" mode: set tolerance. Short press "A" to set upper tolerance: short press "A" to position digit, short press "B" to change the digit from 0 to 9, long press "A" to finish upper tolerance set and enter into lower tolerance set, finish the lower tolerance and long press to exit
   Press "A" and "B" same time to change resolution (0.01mm, 0.001mm, -0.01mm, -0.001mm).

4. Please clean the measuring faces and setting standard faces, calibrate micrometer. For 0-25mm, do calibration in zero. For other sizes, set the initial reading as the value of setting standard. Micrometer measures the setting standard, set the initial reading as the value of the setting standard.

5. During measurement, let fixed anvil contact with the workpiece first, then rotate ratchet thimble or ratchet stop until spindle is close to, but not in contact with the piece, and then rotate ratchet stop until click, get the reading.
   Caution: When the measuring faces is close to, but not in contact with the piece, do not apply excessive force to rotate the ratchet thimble, as it will lead no inaccurate results and may damage the internal precision threads.

6. Automatic enter into sleep mode in about 20 minutes. Press any button or rotate ratchet thimble to turn on micrometer.

7. One battery can last for one year use. If there is nothing or "B" on screen, battery voltage is too low, please replace battery. If digits do not change when buttons are pressed or ratchet stop 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.

8. Working temperature is 0-40°C/32-104°F, relative humidity should not exceed 80%.

MN-3631-E

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