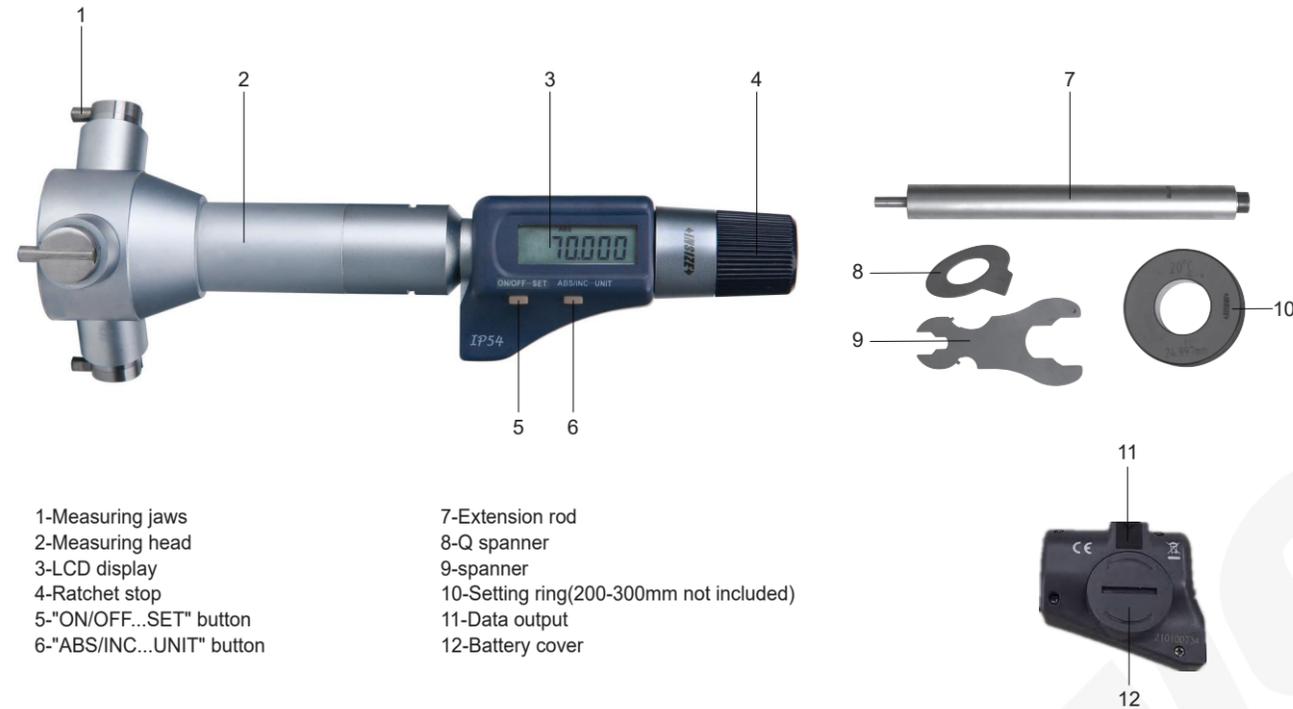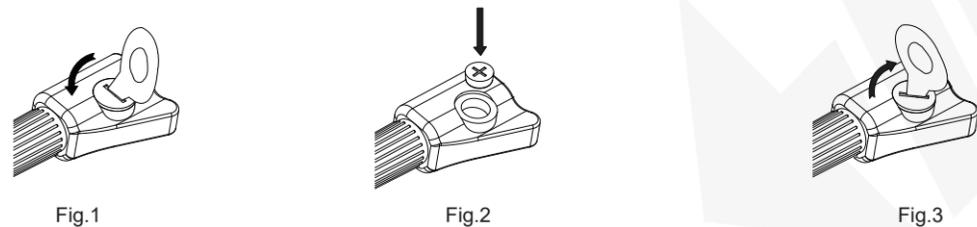Resolution: 0.001mm/0.00005"(200-300mm:0.001mm/0.0001")
Accuracy:5µm(Range50-100mm)
Accuracy:6µm(Range100-150mm)
Accuracy:8µm(Range150-250mm)
Accuracy:9µm(Range200-300mm)

1-Measuring jaws
2-Measuring head
3-LCD display
4-Ratchet stop
5-"ON/OFF...SET" button
6-"ABS/INC...UNIT" button
7-Extension rod
8-Q spanner
9-spanner
10-Setting ring(200-300mm not included)
11-Data output
12-Battery cover

1. The micrometer is dust/waterproof IP54. Dust or splashing water from any direction shall have no harmful effect.
2. Install battery:
---Turn the battery cover counterclockwise with the spanner 1 (fig.1), then remove it
---Put CR2032 battery into battery house, the positive side of battery (+) should face out (fig.2)
---Put the battery cover back and turn clockwise to fix 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.) this button to enter into initial reading set mode, 'SET' blinks on the display. Keep pressing it to position the digit, the digit blinks when positioned. Release the button if you want to set the digit. Short press the button to change the digit from 0 to 9. Keep pressing the button to the next digit. After setting, keep pressing it until 'SET' blinks, short press it to exit set mode.
        ---long press(>2 sec.) this button to enter into initial reading set mode, 'SET' blinks on the display.Short press this button to set the display to the set initial value.

ABS/INC..UNIT---short press(< 2 sec.): for absolute and relative measuring mode conversion. The normal mode is absolute measuring mode, 'ABS' is on display. Press the buton 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.):for metric and inch conversion

4. Before measurement, do micrometer calibration with the setting ring. First, set the initial value same as the normal value of setting ring, clean the measuring jaws and setting ring's face with soft cloth, Micrometer measures setting ring, After measuring jaws contact setting ring's face completely, long press "ON/OFF...SET" to set the initial value same as the normal value of setting ring.Short press"ON/OFF...SET" to complete calibration.

5. During measurement, rotate ratchet stop to make sure measuring jaws' diameter less than the hole's. Put micrometer into measured hole vertically, and then rotate ratchet stop, shake micrometer gently to make sure measuring jaws to contact hole fully. Now you can get result until you hear click. When finishing, rotate ratchet stop to return back measuring jaws firstly, take micrometer out of the hole vertically.
   Caution: When the measuring faces is close , but not in contact with the piece, 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 extension rod to measure deep hole. Use spanner 2 to separate measuring head from main stem, install extension rod between measuring head and main stem, and use spanner to tight it.
   Caution: Don't hold the micrometer head by hand.

7. When measuring jaws are closed completely, please do not rotate ratchet stop any more, or may damage internal part of micrometer.

8. Optional data cable(7315-.7302-,7305-).

9. Automatic power off in about 5 minutes. Press any button to turn on micrometer.

10. 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 1minute. 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

11.Working temperature is 0-40°C/32-104°F

MN-3128-C/E
V4