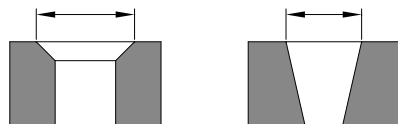


CODE	Range	Resolution
2942-20	0.5-20.1mm	0.01mm/0.0005"
2942-40	20-40mm	0.01mm/0.0005"

- 1-Indicator
- 2-Locking device
- 3-Initial value
- 4-Measuring tip
- 5-Base



1. The product is used to measure end diameter of chamfer or taper holes.

2. Buttons:

Long press: > 2 seconds; short press: < 2 seconds.

**TOL**---Short press to enter into tolerance measuring mode. Under this mode, "►" at the upper right corner blinks if the reading is larger than the upper limit; "◄" at the top left corner blinks if the reading is less than the lower limit.

---Long press to enter into tolerance set mode. "▼" appears and the last digit blinks. Short press "ZERO" button to position the digit, the digit blinks when it is positioned. Short press "in/mm" button to change the digit from 0 to 9. After setting the lower limit, short press "TOL" button, "▲" appears and the last digit blinks. Set the upper limit as setting the lower limit way. Short press "TOL" button to finish set and enter into tolerance measuring mode.

If the lower limit is larger than the upper limit, "EEE" will appear and the digital indicator enter into tolerance set mode again automatically.

**M**---Short press, "MAX" appears and enter into maximum reading tracking mode. Short press again, "MIN" appears and enter into minimum reading tracking mode. Short press for the third time, "TIP" appears and to get the difference between the maximum and minimum reading of one measurement.

**in/mm**---Short press for inch and metric reading conversion

---Long press to change measuring direction.

**ABS**---Short press for absolute and relative measuring mode conversion. The normal mode is absolute measuring mode("ABS" is on display). Short press the button to enter relative measuring mode at any point(this point is called "relative zero point"), "ABS" disappears 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 to enter into initial reading set mode. "SET" appears and the last digit blinks. Short press "ZERO" button to position the digit, the digit blinks when it is positioned. Short press "in/mm" button to change the digit from 0 to 9. Long press "ABS" button to exit set mode.

**ZERO**---When display is powered on: short press to get initial reading on absolute measuring mode("ABS" is on display); long press to turn off display.

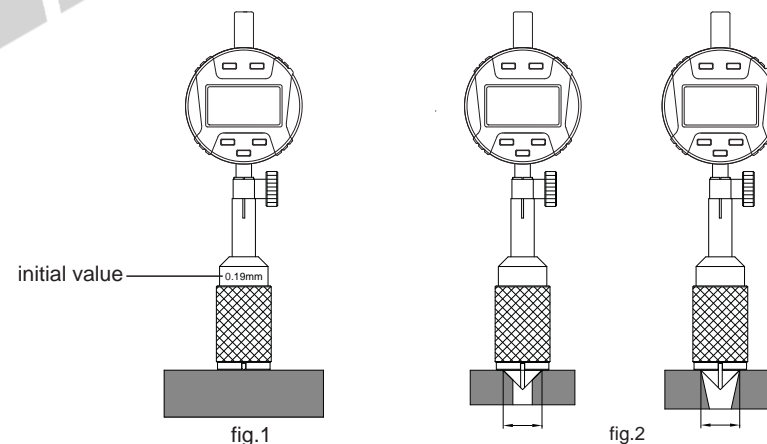
---When display is powered off: short press to turn on display.

3. Measurement:

---Set initial value: set initial value of indicator the same as the value (for example: 0.19mm) on product (refer to ASB button).

---Set zero: put gage on the plate, make sure the base contact plate well (fig.1), press "ZERO" to show the initial value.

---Measurement: make base to contact the workpiece well, and make measuring tip to contact hole well (fig.2), get the reading from indicator (Pay an attention to measuring direction, long press "in/mm" to change measuring direction).



Notes: clean the workpiece and measuring face before zero setting and measurement  
Please do not crash measuring tip and measure rotating tool.

4. Please oil measuring tip and base to prevent rust after use.

MN-2942-C/E