



OPERATION INSTRUCTION

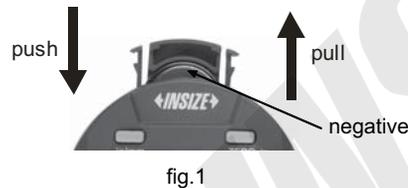
Digital Surface Profile Gage

Display maximum, minimum, difference value between maximum and minimum

Code	Range	Indicator stroke	Resolution	Accuracy
2844-10	0-12.7mm/0-0.5"	12.7mm/0.5"	0.001mm/0.00005"	±0.005mm/0.0002"



- 1-Digital indicator
- 2-"TOL" button
- 3-"M" button
- 4-LCD display
- 5-USB data output
- 6-"ZERO" button
- 7-"in/mm" button
- 8-"ABS" button
- 9-Lock nut
- 10-Base
- 11-Contact point



1. Install and remove battery(CR2032), the negative side of battery should face out(fig.1).

2. Buttons:

Long press: longer than 2 seconds; short press: less than 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, "TIR" appears and to get the difference between the maximum and minimum reading of one measurement.

---Long press to change the analog pointer resolution between 0.001mm, 0.002mm, 0.004mm, 0.01mm in metric mode or 0.00005", 0.0001", 0.0002", 0.0005" in inch mode.
in/mm---Short press for inch and metric readig conversion

---Long press to change measuring direction. "▲" appears, the value increases if the spindle moves up. "▼" appears, the value decreases if the spindle moves up.

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.

Shutdown time setting:

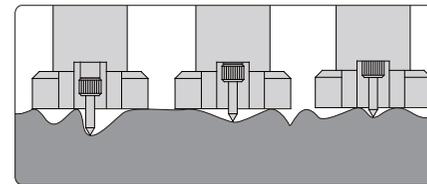
After shutting down, press and hold the ABS button, short press the ZERO button to turn on, after displaying "----", release the ABS button to enter the shutdown time mode setting, the default display is "6.0", which means it will automatically shut down after 6 hours of standing, short press ABS The key can switch the value, and it can switch between 0 and 6 hours every 0.5 hour. When the switch display is "0.0", it means that the gauge will not automatically shut down.

3. Measurement:

---Set zero by using zero set block before measurement (fig. 2).

---Measure peak-to-valley height of blast cleaned surface (fig. 3).

Note: Set zero again after contact point replaced.



4. After measurement, please oil base surface and contact point.

5. Optional accessories: data output cable (code 7302-, 7315-, 7305-).

6. If there is nothing on display or digits blurring, battery voltage is too low, please replace battery. If the digits do not change when buttons are pressed or spindle is moved, take out battery and put it back after 1 minute. If the indicator is not used for a long period of time, please remove the battery. Otherwise, liquid may leak from the battery and damage the indicator.

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

MN-2844-C/E

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