Caution: Prevent liquid from getting into indicator to damage electronics.


display can be rotated
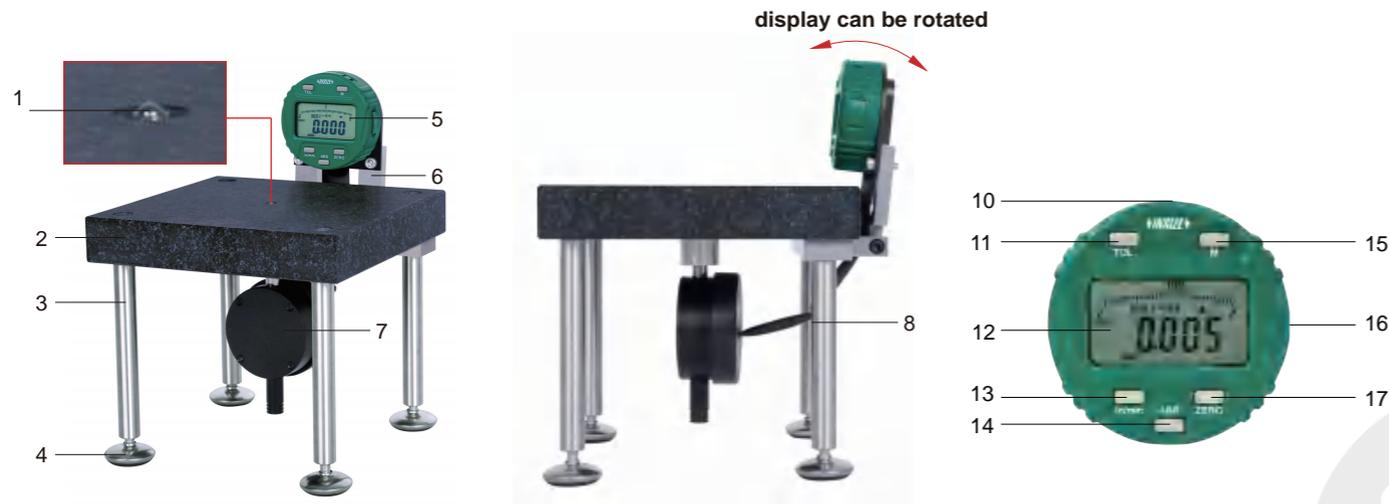
1-Ball point
2-Granite platform
3-Support column
4-Support foot
 (with adjusting nut)

5-Digital display
6-Fixed bracket
7-Measurement section
8-Connecting line

Digital indicator
10-Battery cover
11-"TOL" button
12-LCD display
13-"in/mm" button

14-"ABS" button
15-"M" button
16-USB data output
17-"ZERO" button

Display
1-Analog pointer
2-Tolerance sign
3-Analog pointer resolution
4-Metric mode
5-Inch mode
6-Preset mode
7-Absolute measuring mode
8-Tolerance measuring mode
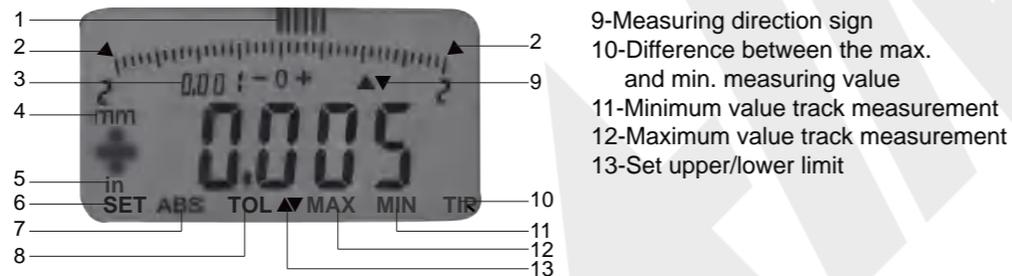
9-Measuring direction sign
10-Difference between the max.
 and min. measuring value
11-Minimum value track measurement
12-Maximum value track measurement
13-Set upper/lower limit

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

push   pull

negative

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. "TOL" and "▼" appears and the last digit blinks. Lower limit can be set at this time. 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, "TOL" and "▲" 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.
M---Short press, "MAX" appears and enter into maximum reading tracking mode. Short press again, "MIN" appears and enter into minimun 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 0.0001", 0.0002", 0.0005", 0.00005" 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 in 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 99 hours every 1 hour. When the switch display is "0.0", it means that the gauge will not automatically shut down.

3. Measurment:
---Before measuring, place the measuring table smoothly on the table. If there is any shaking, adjust the nut to level it.
---Before measurement, contact the zero gage block with the measuring head and fit it onto the working surface of the granite platform. After completion, set the meter display to zero
---During measurement, the measured surface of the workpiece is in contact with the measuring head, and it is attached to the granite platform working surface. the workpiece is moved multiple times to measure its position, and the numerical changes in the table are read(fig.2).
Note: The display screen can swing back and forth through a fixed bracket, but the swing position should not be too low to prevent the connecting wires from falling off.

fig.2

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

5. One battery can last for one year use. 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 be used for a long period of time, please remove the battery. Otherwise, liquid may leak from the battery and damage the indicator.

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

MN-6852-E

V2