

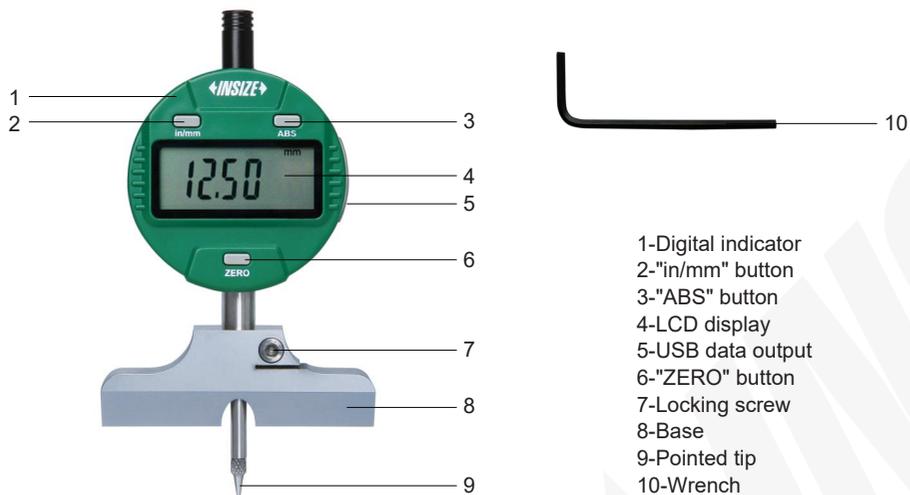


# OPERATION INSTRUCTION

## Digital Depth Gauge (60° Knife Edge Base)

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

| Code     | Range           | Digital indicator stroke | Digital indicator resolution | Accuracy |
|----------|-----------------|--------------------------|------------------------------|----------|
| 2143-101 | 0-12.7mm/0-0.5" | 12.7mm/0.5"              | 0.01mm/0.0005"               | ±20µm    |



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



fig.1

### 2. Buttons:

'in/mm' ---short press: inch and mm conversion; long press: change measuring direction.  
 'ABS' --- short press: absolute and relative measuring mode conversion; long press : set initial reading, short press "in/mm" to change the digit from 0 to 9, short press "ZERO" button to position the digit, long press "ABS" again to exit.  
 'ZERO' --- short press: set zero; long press: power off. Short press to power on when display powers off.

### Fake shutdown function:

Long press the ZERO button to shut down or leave the screen without any operation for about 2 hours. At this time, it is in a fake shutdown state. In this state, it has a data memory function, and the original data is still retained when it is turned on.

### High and low frequency switching settings:

After shutting down, press and hold the in/mm key, and shortly press the ZERO key to turn on, after displaying "----", release the in/mm key to enter the high and low frequency switching mode setting, short press the in/mm key to adjust the switching mode, display "Fr-on" means that the automatic frequency switching function is turned on. After 3 seconds without button operation and push rod operation, it will automatically switch to high frequency. Display "Fr-oF", which means that the automatic frequency switching function is turned off, and the sensor keeps the high frequency state unchanged. Short press the ZERO button to confirm and save the high and low frequency switching mode settings, and exit to the working state.

### Shutdown time setting (It's real shutdown):

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/long 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. Measurement:

--- Install the digital indicator on the base and lock the locking screw.  
 --- Long press "in/mm" button 2s, switch the digital indicator to the opposite direction.  
 --- Place the gage on the flat plate so that it is perpendicular to the flat plate. Short press the "ZERO" button to zero and measure.

4. After measurement, please oil base surface, point, extension rods.

5. No numerous maintenance functions, set zero again after power on.

6. Optional accessories: SPC output cable (7315, 7302, 7305).

7. If there is symbol of battery on display, 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.

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

MN-2143-E

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