



# OPERATION INSTRUCTION

## Adjustable Coefficient Digital Indicators

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

Code	Range	Resolution	Accuracy	Hysteresis	Remark
2501-10	12.7mm/0.5"	0.01mm/0.0005"	20μm	10μm	lug back
2501-10F	12.7mm/0.5"	0.01mm/0.0005"	20μm	10μm	flat back



- 1-Battery cover
- 2-"in/mm" button
- 3-"K" button
- 4-LCD display
- 5-USB data output
- 6-"ZERO" button
- 7-Stem(diameter Ø8mm)
- 8-Spindle
- 9-Contact point(thread M2.5X0.45)



fig.1

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

2. Buttons:

"in/mm"--- short press: inch and mm 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 "in/mm" again to exit.

"K"--- short press: can view the current coefficient settings, under the coefficient display mode, long press "in/mm" to enter the coefficient setting, short press "in/mm" to change the digit from 0 to 9, short press "ZERO" button to position the digit, long press "in/mm" again to exit;  
long press: change measuring direction.

"ZERO"--- short press: set zero; long press: power off. Short press to power on when display powers off.

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.

When the automatic frequency hopping is enabled, the meter is powered on again or short press the ZERO button to turn it on, and LL will be displayed for one second, indicating that the automatic frequency hopping is currently enabled.

When the meter is not operated for 3 seconds in this mode, the meter will automatically switch to low frequency, so the power consumption is lower, and it is more power-saving, suitable for use in the routine measurement state.

When the automatic frequency hopping is turned off, the meter is powered on again or short press the ZERO button to turn it on, and HH will be displayed for one second, indicating that the meter is currently maintaining high frequency without frequency hopping. In this mode, the gauge will continue to maintain high frequency, high power consumption, and reduced battery life. It is suitable for occasions where high-speed movement of the measuring rod is required.

Shutdown time setting:

After shutting down, press and hold the K button, short press the ZERO button to turn on, after displaying "----", release the K 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 K 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. Digital indicator should be mounted on a rigid holder to use.
4. During measurement, the spindle should be vertical to the workpiece surface, otherwise, the measurement may not be correct.
5. After measurement, please apply oil the contact point. The spindle should not be oiled, otherwise, the movement of the spindle will not be smooth.
6. If the digital indicator drops or be shocked, please inspect the measuring accuracy before using.
7. 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.
8. Working temperature is 0-40°C/32-104°F, relative humidity should not exceed 80%.
9. Optional accessories: SPC cable, backs, contact points.

MN-2501-C/E

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