OPERATION INSTRUCTION

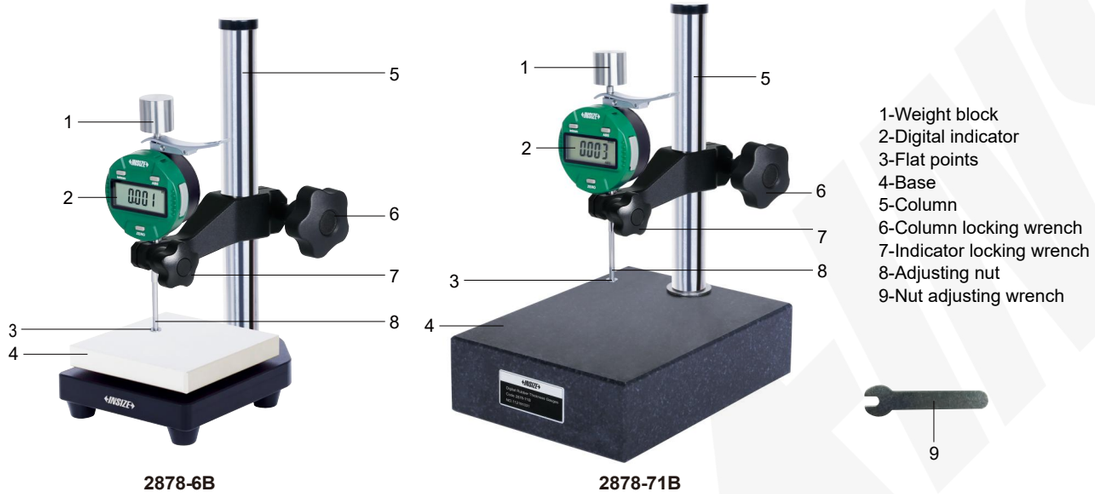
Digital Rubber Thickness Gauges

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

Code	Range	Resolution	Accuracy	Flat point diameter	Pressure	Base
2878-6A	10mm/0.4"	0.01mm/0.0005"	20μm	6mm	22kPa±5kPa	ceramic, plain, flatness 1.5μm
2878-6B	10mm/0.4"	0.001mm/0.00005"	5μm	6mm	22kPa±5kPa	ceramic, plain, flatness 1.5μm
2878-71A	10mm/0.4"	0.01mm/0.0005"	20μm	6mm	22kPa±5kPa	granite, plain, flatness2.5μm
2878-71B	10mm/0.4"	0.001mm/0.00005"	5μm	6mm	22kPa±5kPa	granite, plain, flatness2.5μm

Flat points and weight blocks (Optional)

Flat point diameter	Flat point code	Pressure				
		10kPa±2kPa	22kPa±5kPa	20kPa±3kPa	70kPa±5kPa	1.6kPa±0.1kPa
		Weight block code	Weight block code	Weight block code	Weight block code	Weight block code
4mm	**2878-P4**	—	**2878-W4B**	—	—	—
5mm	**2878-P5**	**2878-W5A**	**2878-W5B**	**2878-W5C**	**2878-W5D**	—
6mm	**2878-P6**	**2878-W6A**	**2878-W6B**	—	—	—
8mm	**2878-P8**	**2878-W8A**	**2878-W8B**	—	—	—
10mm	**2878-P10**	**2878-W10A**	**2878-W10B**	**2878-W10C**	—	—
25mm	**2878-P25**	—	—	—	—	**2878-W25E**
1x4mm (rectangle)	**2878-P14**	—	—	—	**2878-W14D**	—



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

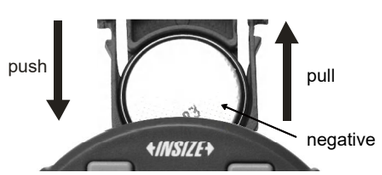


fig.1

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 (It's fake shutdown).

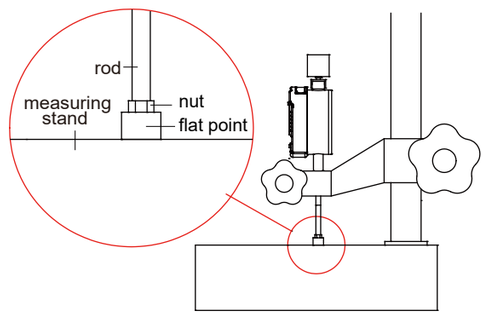
Fake shutdown function:
Long press the ZERO button to shut down or leave the screen without any operation for about 2 hours. At this time, it is in a fake shutdown state. In this state, it has a data memory function, and the original data is still retained when it is turned on.

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, 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, 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. Measurement:
Wipe the measuring surface of the flat point with a clean soft cloth, after the presser flat points the measuring surface (zero block) of the workbench, press "ZERO" button to reset, press the fork several times to ensure accurate zero position.press the fork and lift the point, place the measured workpiece in the middle, release the fork, read the measurement result after the point contacts the workpiece.

4. Adjustment of parallelism between the bottom surface of flat point and the measuring surface of workbench:
When it is found that the parallelism between the bottom surface of the flat point and the measuring surface of the workbench is poor (or if it is used or not used for a long time), the parallelism can be adjusted by itself, product parallelism is 0.02mm.
Method of adjustment: loosen the column locking wrench, adjust the pressure flat point to make it contact with the measuring surface of the workbench, leave a certain amount of preload, locking column locking wrench; use the nut adjusting wrench to loosen the nut and flat point, and press the flat point with hand to make it fit and contact with the measuring surface, then use the nut adjusting wrench to lock the nut and press the flat point to complete the parallelism adjustment.



5. If the digital indicator drops or be shocked, please inspect the measuring accuracy before using.

6. Optional accessories: SPC cable(7315-), weight blocks, flat points.

7. 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%.

MN-2878-E
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