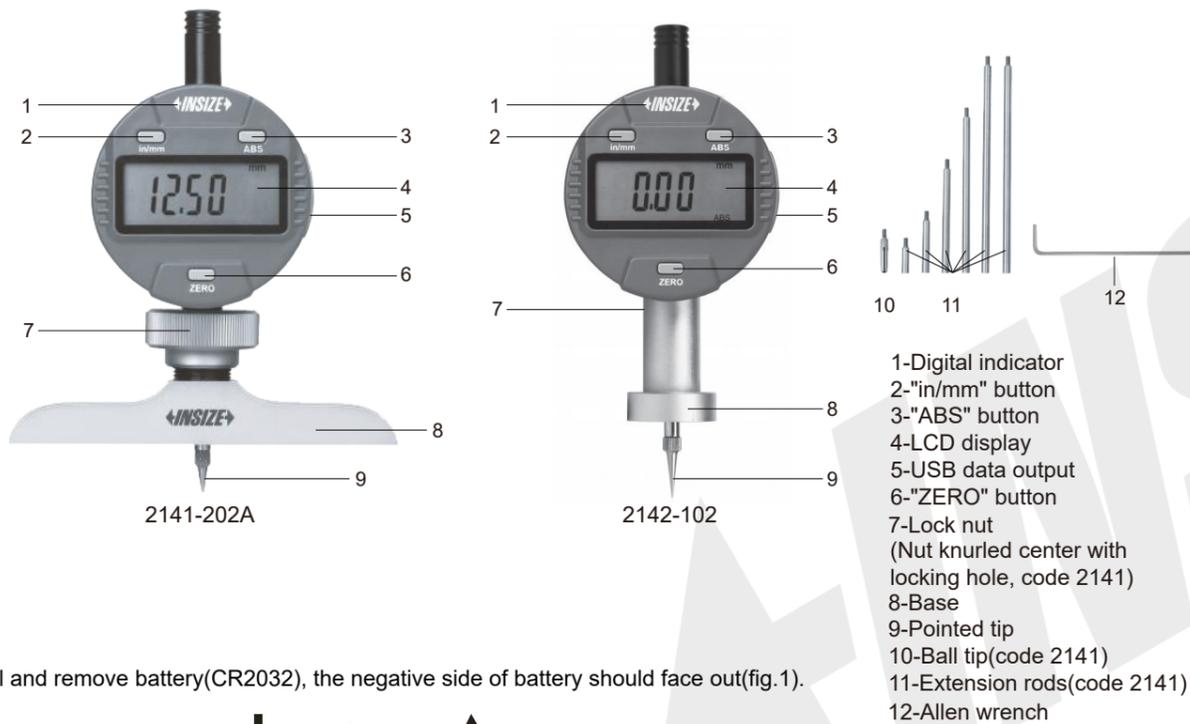


Caution: Prevent liquid from getting into indicator to damage electronics.

Code	Range	Indicator stroke	Resolution	Accuracy
2141-201A	0-300mm/0-12"	12.7mm/0.5"	0.01mm/0.0005"	±20μm
2141-202A	0-300mm/0-12"	12.7mm/0.5"	0.01mm/0.0005"	±20μm
2141-301	0-300mm/0-12"	12.7mm/0.5"	0.001mm/0.00005"	±5μm
2141-302	0-300mm/0-12"	12.7mm/0.5"	0.001mm/0.00005"	±5μm
2142-101	0-12.7mm/0-0.5"	12.7mm/0.5"	0.01mm/0.0005"	±20μm
2142-102	0-12.7mm/0-0.5"	12.7mm/0.5"	0.01mm/0.0005"	±20μm
2142-301	0-12.7mm/0-0.5"	12.7mm/0.5"	0.001mm/0.00005"	±5μm
2142-302	0-12.7mm/0-0.5"	12.7mm/0.5"	0.001mm/0.00005"	±5μm



- 1-Digital indicator
- 2-"in/mm" button
- 3-"ABS" button
- 4-LCD display
- 5-USB data output
- 6-"ZERO" button
- 7-Lock nut (Nut knurled center with locking hole, code 2141)
- 8-Base
- 9-Pointed tip
- 10-Ball tip(code 2141)
- 11-Extension rods(code 2141)
- 12-Allen wrench

1. Install and remove battery(CR2032), the negative side of battery should face out(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, 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 (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 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 display on the base, use a wrench to insert the locking hole (code 2141) in the center of the lock nut or hexagon socket screw(2142 series) is locked to ensure that the measuring head is installed firmly and reliably. It is recommended to use a spherical probe when measuring flat surfaces, and a needle probe (code 2141) when measuring concave or complex surfaces.
 - Before use, select the appropriate extension rod according to the shape and size of the workpiece to be tested. The extension rods should be installed in order from longest to shortest.
 - Set zero by using zero plate or gage block
 - Note: Set zero again after extension rod or point replacement(code 2141)
4. After measurement, please oil base surface, point, extension rods.
5. Automatic power off in about 6 hours. Press "ZERO" button to power on. No numerous maintenance functions, set zero again after power on.
6. Optional accessories: data output cable (7315-50M, 7302-40M, 7305-40M), granite extension holder (2141-10).
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%.