



# OPERATION INSTRUCTION

## Digital Depth Gage

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

Code	Range	Indicator stroke	resolution	Accuracy	Base
2141-201A	0-300mm/0-12"	12.7mm/0.5"	0.01mm/0.0005"	±0.02mm	63x17mm
2141-202A	0-300mm/0-12"	12.7mm/0.5"	0.01mm/0.0005"	±0.02mm	101.5x17mm
2142-101	0-12.7mm/0-0.5"	12.7mm/0.5"	0.01mm/0.0005"	±0.02mm	∅16mm
2142-102	0-12.7mm/0-0.5"	12.7mm/0.5"	0.01mm/0.0005"	±0.02mm	∅25mm



- 1-Digital indicator
- 2-"in/mm" button
- 3-"ABS" button
- 4-LCD display
- 5-USB data output
- 6-"ZERO" button
- 7-Lock nut
- 8-Base
- 9-Pointed tip
- 10-Ball tip(code 2141)
- 11-Extension rods(code 2141)



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 (>2s): change measuring direction
- "ABS"--- short press: absolute and relative measuring mode conversion; long press (>2s): 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 (>2s): power off. Short press to power on when display powers off.

3. Measurement:

- Before use, according to the shape and size of the measured workpiece to choose the appropriate probe and extension rods. Ball tip is used to measure the plane surface. Pointed tip is used to measure concave or complicated surface. Select extension rods as less as possible, the longest one connects to digital indicator, the next is in turn by the length, the shortest is the last one(code 2141)
- Insert digital indicator into hole of base plane, tighten lock nut (7)
- 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 30 minutes. Press "ZERO" button to power on.

6. Optional accessories: data output cable (7302-SPC3A or series 7304), wireless data transfer system (series 7306), RS232 data output cable (7305-SPC1A).

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%.

MN-2141-C/E

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