

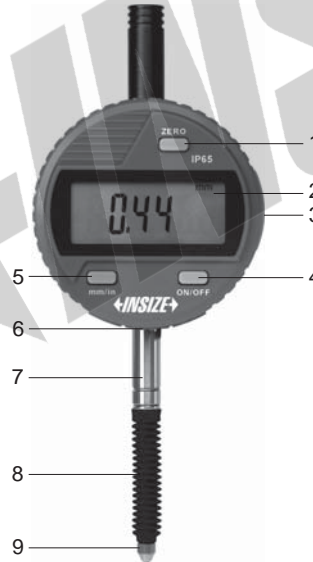


# OPERATION INSTRUCTION

## Waterproof Digital Indicator Series 2115

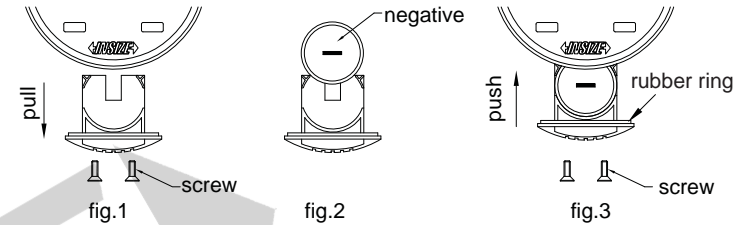
Code	Range	Dust/waterproof	Resolution	Accuracy	Hysteresis	Remark
2115-101	12.7mm/0.5"	IP65	0.001mm/0.00005"	5μm	2μm	lug back
2115-251	25.4mm/1"	IP54	0.001mm/0.00005"	5μm	3μm	lug back
2115-501	50.8mm/2"	IP54	0.001mm/0.00005"	6μm	3μm	lug back
2115-101F	12.7mm/0.5"	IP65	0.001mm/0.00005"	5μm	2μm	flat back
2115-251F	25.4mm/1"	IP54	0.001mm/0.00005"	5μm	3μm	flat back
2115-501F	50.8mm/2"	IP54	0.001mm/0.00005"	6μm	3μm	flat back
2115-10	12.7mm/0.5"	IP65	0.01mm/0.0005"	20μm	10μm	lug back
2115-25	25.4mm/1"	IP54	0.01mm/0.0005"	20μm	10μm	lug back
2115-50	50.8mm/2"	IP54	0.01mm/0.0005"	30μm	10μm	lug back
2115-10F	12.7mm/0.5"	IP65	0.01mm/0.0005"	20μm	10μm	flat back
2115-25F	25.4mm/1"	IP54	0.01mm/0.0005"	20μm	10μm	flat back
2115-50F	50.8mm/2"	IP54	0.01mm/0.0005"	30μm	10μm	flat back

- 1-"ZERO" button
- 2-LCD display
- 3-Data output
- 4-"ON/OFF" button
- 5-"mm/in" button
- 6-Battery cover
- 7-Stem(diameter Ø8mm)
- 8-Waterproof rubber cover(except for indicator IP54)
- 9-Contact point(thread M2.5X0.45)



1. Products with protection IP65/IP54 can protect against dust and splashing water/water jets.
2. Install battery:
  - Screw out locking screws, remove the battery cover (fig.1).
  - Put CR2032 battery into battery house, the negative side of battery (-) should face out (fig.2).

---Close the battery cover, screw in locking screws. Please don't remove the rubber ring, otherwise affect the product's waterproof protection.



3. Button:
  - ZERO---set zero
  - mm/in---mm and inch conversion
  - ON/OFF---turn on/off
4. Automatic power off about 30 minutes. Press "ON/OFF" button to power on.
5. Digital indicator should be clamp on rigidity indicator holder.
6. Clamping: clamping the stem for flat back dial indicator. For lug back, the dial indicator can be mounted by clamping the lug or stem. If the dial indicator is mounted by clamping the stem, please do not apply excessive clamping force, which will affect the movement of the spindle.
7. During measurement, the spindle should be vertical to the workpiece surface, otherwise, the measurement may not be correct.
 

Caution: please do not move the spindle quickly or apply lateral force on the spindle.
8. After measurement, please apply oil the contact point. The spindle should not be oiled, otherwise, the movement of the spindle will not be smooth.
9. If the digital indicator drops or be shocked, please inspect the measuring accuracy before using.
10. Optional accessories: data output cable(7302-SPC3A, 7305-SPC1A, series 7306 and 7308), contact points(series 6282), backs(7330-L5/F5).
 

Note: in order to get accurate measurement, it is necessary to select contact point according to the shape of the workpiece. Measuring columned workpiece should choose knife edge point, measuring spherical workpiece should choose flat point, the needle point should be chosen when measuring concave or complex shape workpiece.
11. 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.
12. Working temperature is 0~40°C/32~104°F.

MN-2115-C/E

V1