



# OPERATION INSTRUCTION

## Digital Level And Protractor

Measuring range: 0-360°(90°×4)  
 Resolution: 0.05° (=0.873mm/m)  
 Accuracy: 0°: ±0.05°  
 others: ±0.1°



- 1-Magnetic bottom (with V-groove)
- 2-"ON/OFF" button
- 3-"LIGHT/SOUND" button
- 4-"MODE" button
- 5-"HOLD" button
- 6-LCD display
- 7-Battery cover

1. The instrument is dustproof and waterproof (IP67).
2. The instrument is used as level and protractor. Magnetic bottom with V-groove for shafts, so it can be used on surface and cylindrical.
3. Install the battery:
  - Remove the battery cover
  - Insert 3pcs AAA batteries, the positive side should face up.
  - Install battery cover
4. Button
  - ON/OFF---Long press for power on/off.
  - LIGHT/SOUND---Short press to turn on/off backlight.
  - Long press to turn on/off buzzer. Buzzer beeps when near 0° and 90°.
  - MODE---Short press to change unit between "°", "mm/m" and "%".
  - Long press to change between absolute and incremental measurement mode.
  - HOLD---Short press, "HOLD" appears, and current value will be kept. Short press again to exit.

5. Calibration
  - Put the instrument on sea level, press "ON/OFF" and "HOLD", enter into calibration mode,"-1-" appears(Fig.1). Press "ON/OFF", "-1-" blinks. Do not touch the instrument until "-2-"appears(-Fig.2).
  - Rotate instrument 180°, put it on the same place(Fig.3). Press "ON/OFF" again, "-2-"blinks until finish calibration.Automatically exit calibration mode.

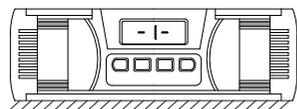


Fig.1

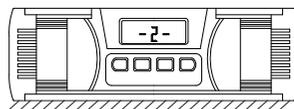


Fig.2



Fig.3

6. Level (Absolute measurement mode)

Put the instrument on the surface to be measured. The reading shows the level of this surface(-Fig.4).

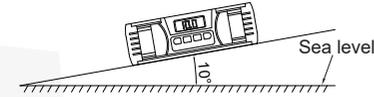


Fig.4

7. Protractor (Incremental measurement mode)

Put the instrument on the reference surface, long press "MODE" button to set zero and enter into incremental measurement mode. Move the instrument to the surface to be measured, the reading is the angle of these two surfaces(Fig.5).

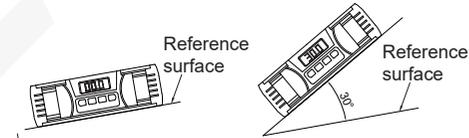


Fig.5

8. The instrument can use in 4-orientation, the display flips over when the bottom faces up(Fig.6)

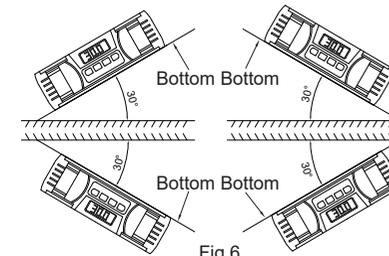


Fig.6

9. Automatic power off in about 30 minutes. Batteries can last for 100 hours of continuous use. If the instrument is not be used for a long period of time, please remove the batteries. Otherwise, liquid may leak from the batteries and damage the instrument.
10. If the digits do not change when buttons are pressed, take out batteries and put them back after 1 minute.
11. Working temperature is -10~50°C/14~122°F. Work humidity ≤85%.

MN-2175-360-E