

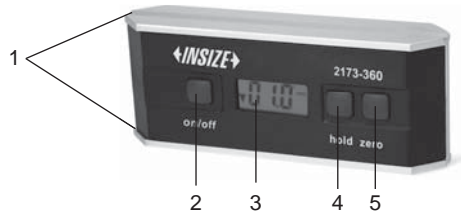


OPERATION INSTRUCTION

Digital Level And Protractor 2173

Measuring range: 0-360°(90°x4)
 Resolution: 0.1° (=1.745mm/m)
 Accuracy: ±0.2°

- 1-V-groove
- 2-"on/off" button
- 3-LCD display
- 4-"hold" button
- 5-"zero" button



1. The instrument is used as level and protractor. Magnetic bottom with V-groove for shafts, so it can be used on surface and cylindrical.
2. Install the battery:
 - Remove the battery cover(Fig.1)
 - Insert CR2032, the positive side should face up(Fig.2)
 - Install battery cover



Fig.1

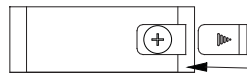


Fig.2

3. Button
 - on/off ---When the instrument powers on, short press to turn off screen, long press(>6s) to power off. When screen is off, short press into measuring mode, When it powers off, short press to display "-1-", it need to be calibrated again.
 - zero ---Short press "zero" into relative mode and set the relative zero, short press again into measuring mode.
 - hold ---Short press, "HOLD" blurring for about 6s, and then into hold mode. Short press again to exit.

4. Calibration
 - Install battery, or long press(>6s) "on/off" button to power and then power on, "-1-" appears on the display(Fig.3).
 - Put the instrument on sea level, press "zero", "-1-" blinks for 6s and then "-2-" appears.(Fig.4)
 - Rotate instrument 180°, put protractor on the same place(Fig.5), press "zero", "-2-" blinks for 6s, and then get reading, finish calibration.

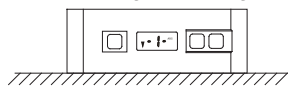


Fig.3

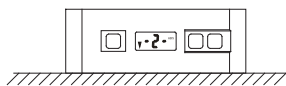


Fig.4



Fig.5

5. Level

The instrument is at level mode when "ABS" is on the display. Put the instrument on the surface to be measured. The reading shows the level of this surface. The "▲" and "▼" shows the directions (fig. 6).

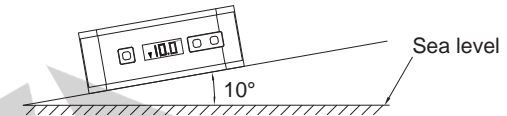


Fig.6

6. Protractor

Put it on the reference surface, press "ZERO" button, the reading is zero and there is no "ABS" on the display. Move the instrument to the second surface, the reading is the angle of these two surfaces. The "▲" and "▼" shows the directions.

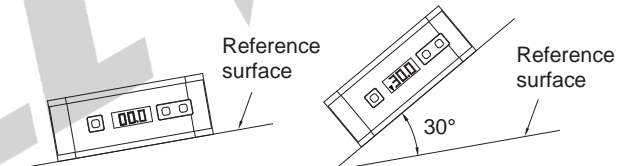


Fig. 7

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

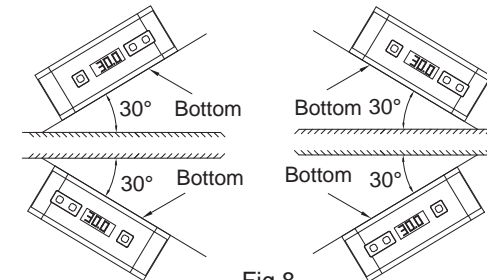


Fig.8

8. Automatic power off in about 5 minutes. One battery will last for one year of continuous use. If product is not be used for a long period of time, please remove the battery. Otherwise, liquid may leak from the battery and damage the instrument.
9. If the digits do not change when buttons are pressed, take out battery and put it back after 1 minute.
10. Working temperature is 0-40°C/32-104°F.

MN-2173-C/E

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