

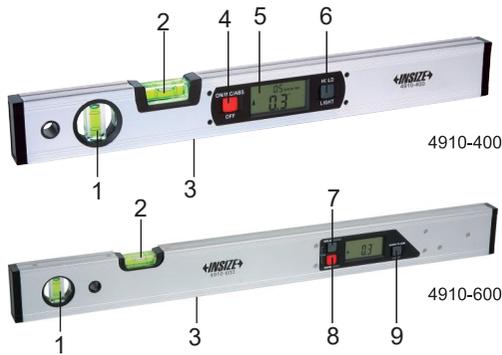


OPERATION INSTRUCTION

Digital Levels And Slope Meters

| Code | Range | Resolution | Accuracy | Remark * |
|-----------|-------------------|---|--|---|
| 4910-400 | 0~360° (90°×4) | angle: 0.1° | ±0.2° | both angle and slope are displayed (slope is calculated by angle) |
| 4910-600 | 0~360° (90°×4) | at 0° and 90°: 0.05° ; at others: 0.1° | at 0° and 90°: ±0.1° ; at others: ±0.2° | at 0° and 90° buzzer alarm |
| 4910-1000 | 0~360° (90°×4) | at 0° and 90°: 0.05° ; at others: 0.1° | at 0° and 90°: ±0.1° ; at others: ±0.2° | at 0° and 90° buzzer alarm |

* mm/m=tan(°)×1000, for example: 0.3°=tan (0.3)×1000=5mm/m



- 1-Longitudinal bubble
- 2-Transverse bubble
- 3-Measuring surface
- 4-"ON/INC/ABS/OFF" button
- 5-LCD display
- 6-"HOLD/LIGHT" button
- 7-"HOLD/SOUND" button
- 8-"ON/REF/OFF" button
- 9-"mm/m % in/ft / LIGHT" button

1. The sea level is permanently set inside the chip, zero setting is not needed when batteries replaced.
2. The instrument with transverse and longitudinal vials is used as level and slope. The instrument has magnetic bottom, it can be used on surface.
3. Install the battery:
 - Remove the battery cover(Fig.1)
 - Insert two AAA batteries as the Fig.2, install battery cover

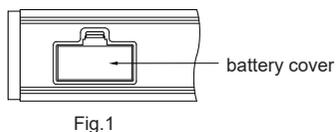


Fig.1

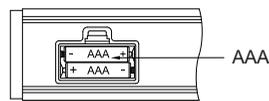


Fig.2

4. Button

4910-400:

ON/INC/ABS/OFF ---In the power off, short press to power on; In the power on, short press to switch mode(level mode, relative mode), "0" shows up in relative mode, long press to turn off.

HOLD/LIGHT ---Short press, "H" shows up and then into hold mode, short press again to exit. long press to turn on /turn off backlight.

4910-600/1000:

ON/REF/OFF---In the power off, short press to power on; In the power on, short press to switch mode(level mode, relative mode), "REF" shows up in relative mode, long press to turn off.

HOLD/SOUND---Short press, "H" shows up and then into hold mode, short press again to exit. Long press to turn on beeper, "H" shows up. When the reading is close to 0° or 90°, beeper will sound, long press again to turn off beeper

mm/m % in/ft/LIGHT--- Short press to switch unit (°, mm/m, %, in/ft); long press to turn on/turn off backlight.

5.Measurement:

At level mode, put the instrument on the measuring surface. The reading is the angle between the measuring surface and the horizontal zero (Fig.3).

Put it on the reference surface, switch to relative mode. Move the instrument to the second surface, the reading is the angle between two surfaces(Fig.4).

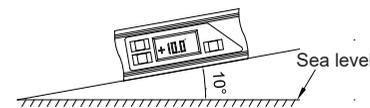


Fig.3

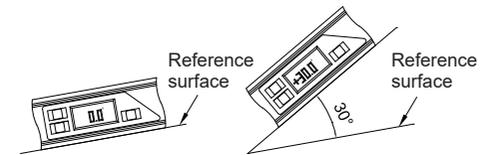


Fig.4

6. The instrument can use in 4-orientation, the display flips over when the bottom faces up.
7. Automatic power off in about 5 minutes. One battery will last for 100 hours 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.

MN-4910-E

V4

8. If the digits do not change when buttons are pressed, take out battery and put it back after 1 minute.

9. Working temperature is -10-50°C/14-122°F, relative humidity should not exceed 85%.

Note: Recalibration is required after it dropped or hited :

4910-400:

Put instrument on the level, simultaneously press "ON/INC/ABS/OFF" and "HOLD/LIGHT" in the power off, "-1-" blinks on the display, short press "ON/INC/ABS/OFF" unit "-2-" blinks. Rotate instrument 180°, put instrument on the same place, short press "ON/INC/ABS/OFF" again, "-2-" blinks for several seconds, and then finish calibration.

4910-600/1000:

Put instrument on sea level, press "HOLD/SOUND" and "ON/REF/OFF" in sea level, "-1-" appears on the display (Fig.5), short press "ON/REF/OFF", "-1-" blinks, please don't touch instrument before "-2-" blinks (Fig.6). Rotate instrument 180°, put instrument on the same place (Fig.7), short press "ON/REF/OFF" again, "-2-" blinks for several seconds, and then finish calibration.

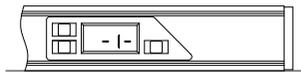


Fig.5

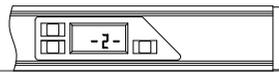


Fig.6



Fig.7