

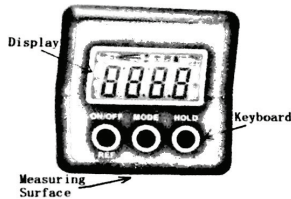
Digital Level (DL130)

DESCRIPTION

This digital level is a highly versatile leveling tool designed for fast, easy operation

- Measuring range of digital display: $4 \times 90^\circ$
- Resolution of Digital Display : $\pm 0.01^\circ$ at 0° and 90°
 $\pm 0.05^\circ$ at $2^\circ \sim 89^\circ$
- Precision of Digital Display : $\pm 0.1^\circ$ at 0° and 90°
 $\pm 0.2^\circ$ at $2^\circ \sim 89^\circ$
- Unit of measurement ($^\circ$ degrees / % / mm/m / IN/FT)
- Backlight
- Hold function
- 0° calibration
- Battery type : 2x1.5V "AAA" batteries

Product outlook



Operation instructions

1. Battery replacement

Remove the rear battery cover of the receiver by unscrewing the battery cover retaining screw. The cover will now lift off. Open the battery case. Put two "AAA" batteries and close the case. Your electronic level is now ready to use.

2. ON/OFF

Press **ON/OFF** button to turn the equipment on. Hold **ON/OFF** button not to put to turn it off.

After about 3 minutes not using the equipment, it will switch off automatically.

3. Level measure

Turn on the equipment and put it to the level position for measuring.



Correct measuring



Wrong measuring

4. Unit of measurement selection ($^\circ$ degrees / % / mm/m IN/FT)

After switching on, the screen always shows the actual slope in degree. By pressing the **MODE** button you can change the angles unit display units from degrees ($^\circ$) to percent (%), to (mm/m) to pitch (in/ft). Pitch readings are in 1/8-inch/feet increments.

The 0° icon indicates the current angle's position, either up or down away from the horizontal or vertical position.

5. Angle measure

If the equipment isn't in level, it will display a value on the screen. Press **REF** button to set current angle to be zero, enter relative angle measurement mode. The 0° icon will show on the screen. Press **REF** button again to cancel the function.


6. Backlight function

Press any button, backlight of the screen will be turn on and after about 20 seconds not pressing any button, the backlighting will be turn off.

7. Hold

In positions where the display might not be readable, the actual measured value can then be saved by pressing the **HOLD** button, then a saved measured value is displayed and the 0° icon will show on the screen. By pressing the **HOLD** button another time, the measuring mode will get reactivated.

8. Low battery indicator

Recommend to replace two new "AAA" batteries, when the low Battery indicator "  " shows on the screen.

9. 0° calibration

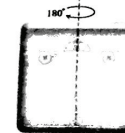
a. Turn off the equipment. Put the equipment on a flat and smooth surface. (see the following figure).



b. In the shutdown state, hold **ON/OFF** and **HOLD** button not to put, until the LCD display "CAL" symbol. Enter calibration mode.

c. Keep the equipment still for a period of time and then press the **HOLD** button, displayed on the LCD screen "CAL1" symbol.

d. In the same location, rotate the equipment 180° (see the following figure), then press the **HOLD** button, the "CAL2" show. After the "CAL2" disappear the calibration is completed and then the LCD will show the current angle in high-accuracy-display.



NOTE:

- The calibration must be performed on a flat and smooth surface with the gradient no more than 5°. If it exceeds 5°, "Err" will show on the LCD to tell the calibration failed, you must turn on the equipment again to complete calibration.
- During calibrating, the level also can not be beveled or moved.
- After complete calibration, the equipment automatically renovates original date with consumer's data, so it must be careful to use this function.

Technical date:

Resolution of Digital Display: $\pm 0.01^\circ$ at 0° and 90°
 $\pm 0.05^\circ$ at $2^\circ \sim 89^\circ$

Precision of Digital Display: $\pm 0.1^\circ$ at 0° and 90°
 $\pm 0.2^\circ$ at $2^\circ \sim 89^\circ$

Working temperature: $0^\circ\text{C} \sim 40^\circ\text{C}$

Storage temperature: $-10^\circ\text{C} \sim 50^\circ\text{C}$

Power supply: 2x1.5V "AAA" batteries

Dimensions: 58*58*32mm

Weight: About 71g (Not containing battery)