OPERATION INSTRUCTION

Electronic Block Level

Code	Range	Resolution	Accuracy	Repeatability
4950-1	±5mm/m (±0.286°)	0.01mm/m (0.001°)	±(1+Ax2%) Δ*	0.01mm/m

* A is the measured value, Δ is the resolution

1. Button Functions:
Power switch: press to switch on, pop up to switch off;
ZERO: short press to zero after the instrument is stabilised;
SAVE/MODE: short press to save the measurement data on the display; long press to switch between relative measurement mode and absolute measurement mode.
2. Preparation before use:
The level should be fully charged before use, otherwise the battery needs to be charged, and the positive and negative of the charging seat should not be installed in reverse.
Please do not put the level in the environment with magnetic field to avoid affecting the measurement results.
Before use, wipe the working surface with a clean soft cloth to avoid the measurement error caused by tiny particles and debris.
Wear fine gloves when operating the level to avoid heat conduction that may cause the accuracy of the measurement results.
To avoid the influence of ambient temperature, the level should be used after 4 hours of constant temperature.

3. Operation method
Check the zero position of the instrument after switching on, if the instrument is not in zero position, it needs to be calibrated before use.
After the instrument is switched on, put the instrument on a stable and nearly horizontal platform, note down the screen reading d1 after the reading is stable; rotate the instrument by 180 and place it on the same position, note down the screen reading d2 after the reading is stable, if the values of d1 and d2 are the same with opposite sign, then the zero position of the instrument is accurate, or else it needs to be calibrated for zero position.
1) Absolute zero calibration:
Place the level on a stable and nearly horizontal platform (Fig. 1), set to "ABS" mode, short press the "Zero" key after the reading is stable, the display shows the timekeeping screen (5s), wait for the time to jump from 5 to 0, rotate the level 180°.
Place the level 180° to the same position (Fig. 2), wait for the reading to be stable and then press the "zero" key, wait for the time to jump from 5 to 0, the calibration is complete.
2) Relative zero calibration:
Place the level on a stable and nearly horizontal platform (Fig. 1), set to "REF" mode, short press the "Zero" key after the reading is stable, the display shows the timekeeping screen (5s), wait for the time to jump from 5 to 0, rotate the level 180°.
Place the level 180° to the same position (Fig. 2), wait for the reading to be stable and then press the "zero" key, wait for the time to jump from 5 to 0, the calibration is complete.


Fig. 1


Fig. 2

3）Level adjustment of the work surface:
By placing the level on the workpiece under test and adjusting the workpiece until the level reads 0 in both directions in the diagram, the work surface is adjusted to thehorizontal position.


Fig. 3

4. Precautions
Electronic level is a precision instrument, need to be held lightly, and pay attention to the working surface of the rust and corrosion protection, do not touch the working surface, so as not to affect the accuracy of the measurement.
After the level is used, the working surface should be coated with antirust oil to protect it.
Please don't overcharge, unplug the charger after charging, and avoid over discharge, over discharge of the battery may directly lead to the destruction of the battery, try to do with the use of charging.
When not in use for a long time, please remove the battery and choose a cool and dry environment for storage.
5. Working temperature: 15~25℃.

MN-4950-C/E
V2