

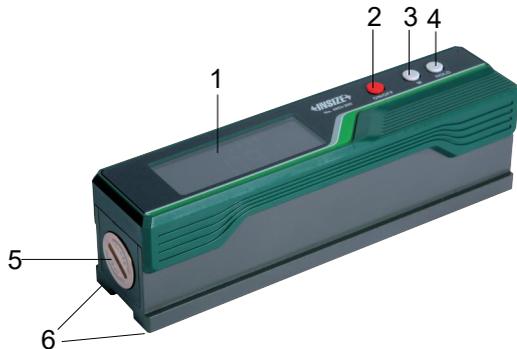
OPERATION INSTRUCTION BUILT-IN BLUETOOTH BLOCK

<https://m.insize.com/page-55-1664.html>

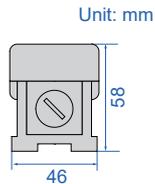
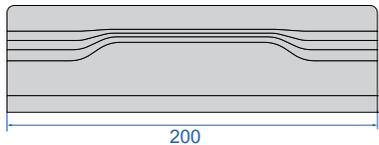


EN--Please scan the QR code or visit the website for operation manual.
 IT --- Scansiona il codice QR oppure visita il sito web per il manuale d'uso.
 CZ -- Pro návod prosím naskenujte QR kód nebo navštivte webovou stránku.
 ES -- Por favor, escanee el código QR o visite la página web para ver el manual de instrucciones.
 FR -- Veuillez scanner le QR Code ou visiter notre site web pour accéder aux manuels d'utilisation.
 DE -- Bitte scannen Sie den QR-Code oder besuchen Sie die Website für die Bedienungsanleitung.
 PT -- Para aceder ao manual de instruções, por favor, faça a leitura do código QR ou visite o nosso site.

Code	Range	Resolution	Accuracy	Repeatability	Response time	Weight
4953-200	±0.5mm/m (±0.028°)	0.01mm/m (0.001°)	±0.02mm/m	0.01mm/m	< 3s	1450g



1-LCD
 2-ON/OFF
 3-M
 4-Hold
 5-Battery cover
 6-Working surface



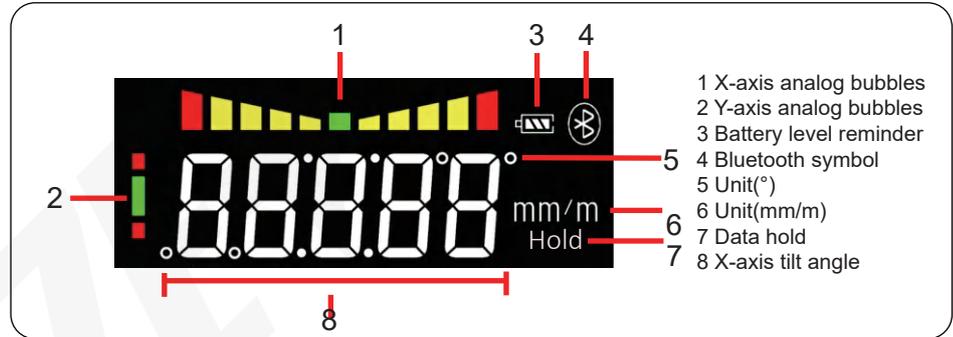
Button Functions:(short press, < 2s; long press, > 2s)

ON/OFF: short press, switch on. long press, switch off.

M: short press, reading flips over. long press, unit conversio(°, mm/mm)

Hold: short press, data hold, short press again, return to measuring mode.

Display Instructions:



- Battery display**
When the battery reminder appears at the top right of the display, please change the battery in time.
- Bluetooth display**
After successful Bluetooth connection with our APP, the level meter will display the Bluetooth symbol.
- X-axis analog bubbles**

Icon	Name	Connotation
	Green Bubbles	Always display,Indicates the location of the X-axis zero position
	Yellow Bubbles	The yellow bubble moves toward the higher side of the level, each cell represents 0.02mm/m, display up to 4 cells (≤0.08mm/m)
	Red Bubbles	The red bubble moves toward the higher side of the level. X-axis tilt angle > 0.08mm/m, red level bubble displayed

Example:

Icon	Connotation
	≤0.02mm/m
	≤0.04mm/m
	≤0.08mm/m
	>0.08mm/m

4. Y-axis analog bubbles

Icon	Name	Connotation
	Green Level Bubble	The Y-axis level bubble only shows green cells, The inclination angle of the Y-axis is $\leq 1^\circ$. Only when the green grid is displayed alone can the leveling instrument achieve a precision of 0.02mm/m within the measurement range.
	Red level bubble	The red bubble moves toward the higher side of the level. When green grids are displayed along with a single red grid on one side, it indicates that the Y-axis inclination is $> 1^\circ$.

Precautions:

- Before use, wipe the metal base with a dust-free cloth moistened with alcohol or a non-corrosive chemical cleaner, do not use water to wipe.
- Temperature equilibrium must be carried out before use, and the leveling device must be left in the working environment for more than 2 hours (no need to energize the device).
- The level meter should be energized for 5 minutes before normal testing can be performed.
- For high-precision workpieces to be inspected, the foundation should be solid and should not be affected by vibration.
- Working temperature: 10~40°C, temperature changes should not exceed 1°C per hour.
- Relative humidity should not greater than 85%.
- To ensure the accuracy of the measurement, calibration is required before each measurement.

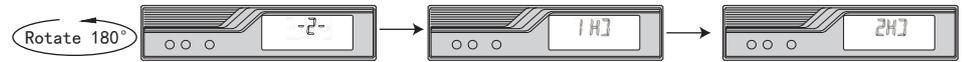
Calibration

Attention: 1. To ensure the accuracy of the measurement, calibration is required before each measurement.
2. When calibrating, ensure the tabletop is flat, vibration-free, and clear of impurities/grease buildup. Recommended tabletop flatness: $\leq 1\text{mm/m}$.
3. If the user needs to exit the calibration process, they can short-press the "M" key on the leveling instrument.

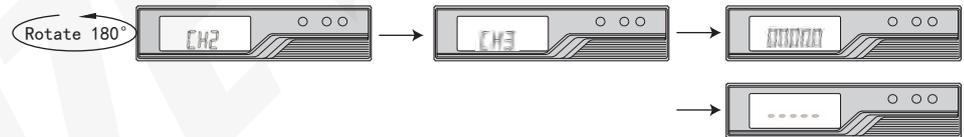
1. Place the level on a roughly horizontal countertop, press and hold the HOLD button, the LCD display "-1-" can start calibration. Short ON/OFF key, at this time the LCD flashes "-1-", keep the product still, until the display stabilizes "-2-", the first step of calibration is complete.



2. Rotate the leveling device 180 degrees and place it in the original position (if necessary, place it in place with the aid of a straightedge), short ON/OFF key, show "-2-", keep the product still, until "CH1" flashes, indicates that the second calibration step is complete, this enters the calibration self-test mode. Keep the product still, until "CH2" is displayed.



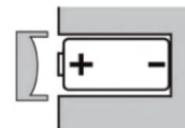
3. Rotate the spirit level 180° again to its original position, Short ON/OFF key, "CH3" flashing, keep the product still, if the calibration self-test passes, after the "CH3" blinking "00000" is displayed and the measurement status is entered after about 2S; if the calibration self-test fails, "CH3" blinks and then "-----" is displayed for about 2S before entering the measurement state.



Attention: Failure of calibration self-test indicates calibration failure, needs to be recalibrate.

Battery installation:

Rotate the battery cover counterclockwise, connect three #7 batteries in series in the battery holder, place the batteries in the battery compartment with the correct orientation of the positive and negative terminals, Turn clockwise to tighten the battery cover.



Positive and negative mounting diagram



Battery rack mounting schematic

Storage Maintenance

- 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.
- When not in use for a long time, please remove the battery and choose a cool and dry environment for storage.