

During the warranty period, the following situations are not covered by the warranty

- Improper use leading to human damage
- Damage due to improper transportation after sale
- Damage caused by failure to use the original accessories of the company as required
- Any selfmodified, disassembled and repaired product
- Replacement of wear parts
- Any natural wear

## V. common problems

1. After the receiving switch is turned on, the blisters backlight will flash, which is a working signal indicating that it is in the receiving state, which is a normal phenomenon;
2. The laser line flashes to prove that the machine is not in the setting range, please adjust the level through the legs;
3. The laser line appears blurred. Please wipe the outer glass with a clean cotton cloth.

## VI. Safety precautions

1. Because of Laser radiation should not look directly at the laser beam;
2. Class 2 laser crystal, harmless to human body;
3. Strictly forbidden to heavy press or vibrate;
4. The product shall be placed in the warehouse with ventilation, drying, heat-insulated and fireproofing, and it is strictly prohibited to contact with corrosive materials;
5. Loading, unloading and use of products shall be handled gently, and shall not be thrown or dropped;
6. Quality inspection certificate and packing list are attached in the packing box.

## VII. Daily maintenance and attentions

### 1. Daily maintenance

- 1) Please store the machine in a dry, ventilated, constant temperature and dust-free place;
- 2) please wipe the shell glass frequently to ensure the light transmission;
- 3) when not in use for a long time, please release the locking switch for half an hour regularly to ensure that the bearing swings flexibly.

### 2. Attentions

- 1) non professionals, do not disassemble the machine;
- 2) please avoid severe vibration, collision and falling of the machine;
- 3) please pay attention to lock the locking switch after use;
- 4) do not leave the battery in the machine to avoid leakage of battery liquid;
- 5) do not look directly at the laser line. It should be used with protective glasses;
- 6) do not wipe the instrument with organic solvent.

## Certificate

Name: \_\_\_\_\_ Examiner: \_\_\_\_\_  
Model: \_\_\_\_\_ Date: \_\_\_\_\_  
No.: \_\_\_\_\_

★ User save copy (please save this part properly)

- Warranty Card The user must present a copy of the card and an official invoice at the time of warranty to confirm your warranty service.

User name:

Mr./Ms.: \_\_\_\_\_ Age: \_\_\_\_\_  
Name of the work unit: \_\_\_\_\_  
Occupation: ☐ Student ☐ Worker ☐ Woodworking ☐ Metalworking  
☐ Concreteworking ☐ Renovation ☐ Hardware ☐ Hydropower Engineering  
☐ Others  
Address: \_\_\_\_\_ Province \_\_\_\_\_ City \_\_\_\_\_ Road / Street \_\_\_\_\_ No. \_\_\_\_\_  
Zip code: \_\_\_\_\_ Tel.: \_\_\_\_\_ Fax: \_\_\_\_\_  
Mobile phone: \_\_\_\_\_ Product number: \_\_\_\_\_  
Date of purchase: \_\_\_\_\_ Invoice receipt number: \_\_\_\_\_  
Purchase company name: \_\_\_\_\_  
Purchaser's address: \_\_\_\_\_  
Purchaser's phone: \_\_\_\_\_  
Purchaser's seal: \_\_\_\_\_

Please note that the conditions listed on the back are not guaranteed.

- Receipt (please fill it in and send back)

To ensure that you can enjoy the above warranty service, please fill in all forms and send the "receipt" back to our company within 7 days, which will take effect on the date of receiving the receipt!

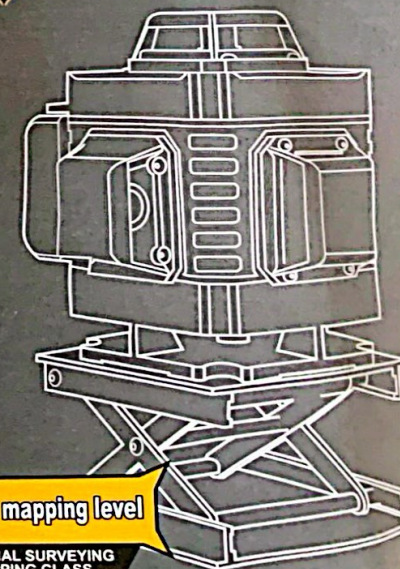
User name:

Mr./Ms.: \_\_\_\_\_ Age: \_\_\_\_\_  
Name of the work unit: \_\_\_\_\_  
Occupation: ☐ Student ☐ Worker ☐ Woodworking ☐ Metalworking  
☐ Concreteworking ☐ Renovation ☐ Hardware ☐ Hydropower Engineering  
☐ Others  
Address: \_\_\_\_\_ Province \_\_\_\_\_ City \_\_\_\_\_ Road / Street \_\_\_\_\_ No. \_\_\_\_\_  
Zip code: \_\_\_\_\_ Tel.: \_\_\_\_\_ Fax: \_\_\_\_\_  
Mobile phone: \_\_\_\_\_ Product number: \_\_\_\_\_  
Date of purchase: \_\_\_\_\_ Invoice receipt number: \_\_\_\_\_  
Purchase company name: \_\_\_\_\_  
Purchaser's address: \_\_\_\_\_  
Purchaser's phone: \_\_\_\_\_  
Purchaser's seal: \_\_\_\_\_

# LASER LEVEL METER

**MAX LIGHT**

## User manual



**Professional mapping level**

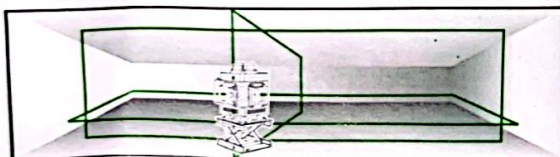
PROFESSIONAL SURVEYING  
AND MAPPING CLASS

## Instrument specifications

Laser ray	360° X 3 12 lines (30)
	360° X 4 16 lines (40)
Laser ray	Wavelength 650nm, red light
	Wavelength 515nm, blue light
	Wavelength 532nm, green light

Horizontal / vertical accuracy: $\pm 0.2\text{mm} / 10\text{m}$
Automatic leveling range: $\pm 3$
Waterproof grade: IP-54
Working range: about 25m in diameter
Working time: about 5 hours
Green light working temperature: $-5^{\circ}\text{C} \sim 50^{\circ}\text{C}$
Blue light working temperature: $-20^{\circ}\text{C} \sim 50^{\circ}\text{C}$
Red light working temperature: $-20^{\circ}\text{C} \sim 50^{\circ}\text{C}$ (requires a personalized custom)

## Laser schematic 3D omnidirectional ground and wall sticker



### Safety Precautions

1. Be careful of Laser radiation: avoid looking directly at the laser beam.
2. Do not use the instrument in a flammable or explosive atmosphere.
3. Do not use the instrument in a corrosive or toxic atmosphere.
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5. Do not use the instrument in a corrosive or toxic atmosphere.
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### Adjustment and leveling

1. The machine is inclined by 1° and automatically leveled.
2. Adjust the leveling bubble to the center.
3. The magnetic damping compensation system ensures fast leveling time.
4. 360° rotation base, and equipped with fine adjustment mechanism, can make the machine quickly find the target.
5. It can be used with tripod to adjust the working height of the machine.

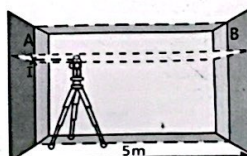
1. 360° horizontal line can be drawn on the wall.
2. Turn 360° vertical line can be drawn on the wall.
3. The 360° vertical line can be drawn on the wall.

## Instructions

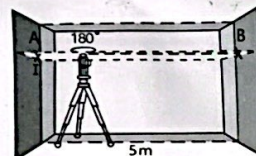
- 1) Place the instrument on the tripod, T-type wall mounting bracket or lifting platform as needed;
- 2) Push the main power switch forward to the ON position and the machine starts to work. The horizontal window automatically opens and produces four horizontal laser rays;
- 3) Touch H key on the touch panel to control horizontal opening and closing;
- 4) Touch the V key on the touch panel once, open a vertical window with one click (tick), repeat again, the second vertical window opens, and the third touch closes two vertical windows;
- 5) Long touch the key for more than 3 seconds, and a click (tick) will be heard, and turning on the diagonal function. At this time, you can adjust it to the angle you want without alarm or flashing. Touch this key again for more than 3 seconds, with one click (tick) to release this C function, the instrument works normally.

Note: The positive and negative terminals of the battery are properly installed. Please remove the battery if it is not used for a long time. Please charge for more than 10 hours when you use it for the first time. Please turn off the main switch after use.

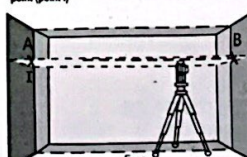
Please use the charger that matches the machine to charge. Please use this machine in the environment where this machine is described.



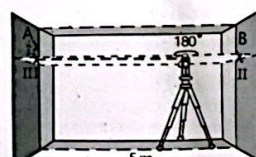
Align the laser line closer to the food wall A and level the measuring instrument to find the intersection of the laser line on the wall A and mark the center of the point (point I).



Rotate the measuring instrument 180 degrees to level the instrument, find the intersection of the laser line on the wall B, and mark the center of the point (point II).



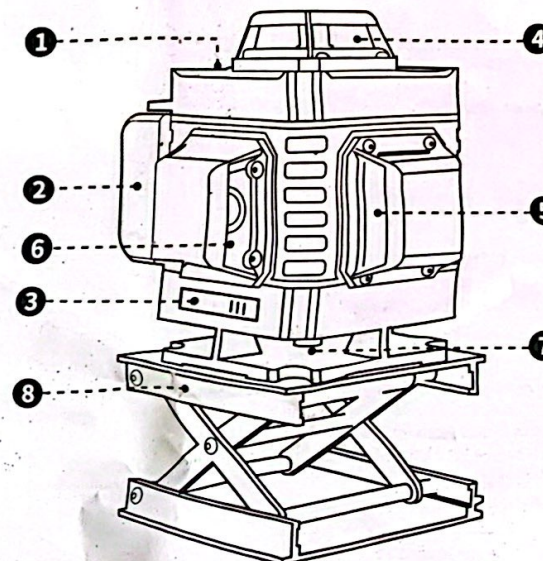
Move the measuring instrument closer to wall B (without rotating the measuring instrument), start the measuring instrument, and level the instrument. Adjust the height of the measuring instrument (with a tripod, if necessary, use the spacer), so that the intersection of the laser lines is accurately projected on point II of wall B.



Rotate the measuring instrument 180 degrees, but you can not change the height of the measuring instrument, adjust the measuring instrument, let the vertical laser line pass through the point I of the wall A, let the measuring instrument level, and make a mark on the light intersection point of wall A (point III). The difference d between wall point A and point II is the actual height deviation of the measuring instrument.

You can use the following formula to calculate the maximum allowable deviation, dmax, dmax = twice the wall spacing  $\times 0.2\text{mm} / \text{m}$ . Example: If the wall spacing is 5 meters, then the maximum allowable deviation dmax =  $2 \times 5\text{ meters} \times 0.2\text{mm} / \text{m} = 2\text{mm}$ . Therefore, the distance between the marks should not exceed 2mm.

## Product diagram



1	control panel	8	vertical lifting platform
2	battery	A	horizontal line switch
3	switch	B	OUTDOOR slash switch
4	360° horizontal line 1	C	vertical line switch
5	360° vertical line 1		
6	360° vertical line 2		
7	360° horizontal line 2		