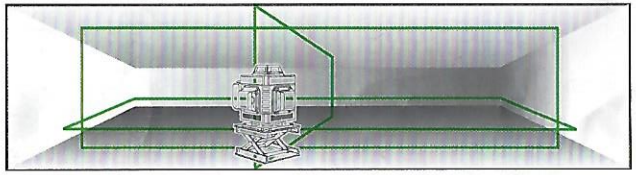
Instrument specifications

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: ± 0.2mm / 10m
Automatic leveling range: ±3
Waterproof grade: IP-54
Working range: about 25m in diameter
Working time: about 5 hours
Green light working temperature: -5°C~ 50°C
Blue light working temperature: -20°C~ 50°C
Red light working temperature: -20°C~ 50°C (requires a personalized custom)

激光示意图 Laser schematic　　3D全方位贴地贴墙仪 3D omnidirectional ground and wall sticker



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. 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;

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) check whether the horizontal line and vertical line are accurate before each use, otherwise the construction loss caused by inaccurate laser line has nothing to do with our company;
2) non professionals, do not disassemble the machine;
3) please avoid severe vibration, collision and falling of the machine;
4) please pay attention to lock the locking switch after use;
5) do not wipe the instrument with organic solvent.

Functions and features

Functions:
1. The machine is inclined for 3° and automatically leveled;
2. Alarm function beyond the safe range;
3. The magnetic damping compensation system ensures fast leveling time;
4. 360° rotatable 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.

Features:
1. A 360° horizontal line can be drawn on the wall;
2. Two 360° vertical lines can be drawn on the wall;
(the 2D model has only one 360° vertical line)

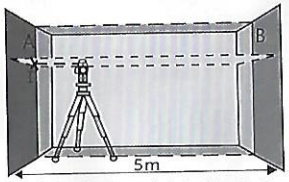
Instructions

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 ONposition and the machine starts to work. Thehorizontal 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 Cfunction, the instrument works normally.

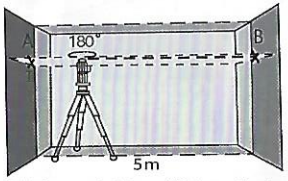
Note: The positive and negative terminals of the battery are TTproperly installed. Please remove the battery if it is not used for a long time. Please charge for more than 10 hours when you use it for the first time. Please turn off the main switch after use.

Please use the charger that matches the machine to charge.

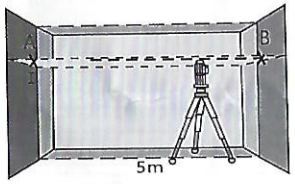
Please use this machine in the environment where this machine is described.



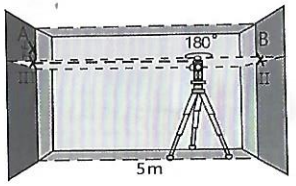
Align the laser line closer to the food wall A and level the measuring instrument to find the intersection of the laser line on the wall A and mark the center of the point (point I)



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)



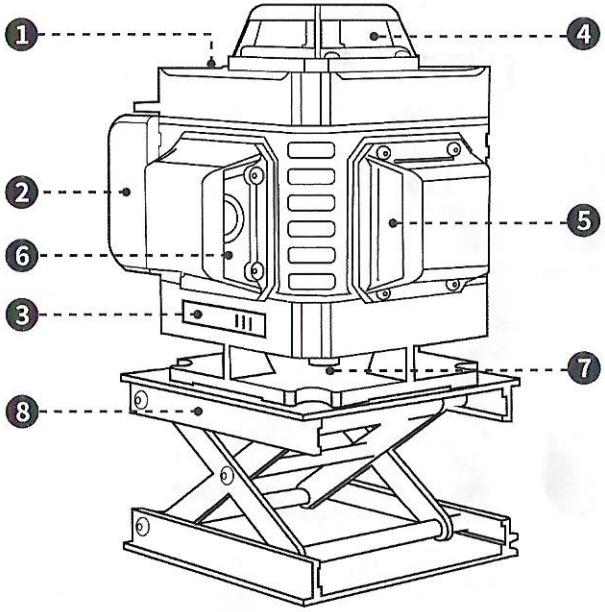
Move the measuring instrument closer to wall B (without rotating the measuring instrument),start the measuring instrument, and level the instrument.Adjust the height of the measuring instrument (with a tripod, if necessary, use the spacer), so that the intersection of the laser lines is accurately projected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

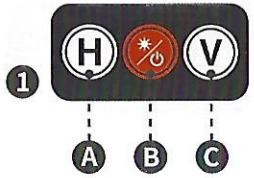


Rotate the measuring instrument 180 degrees, but you can not change the height of the measuring instrument, adjust the measuring instrument, let the vertical laser line pass through the point I of the wall A, let the measuring instrument level, and make a mark on the light intersection point of wall a (point III)
The difference d between wall point A and point III 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 x 0.2 mm / m
Example: If the wall spacing is 5 meters, then the maximum allowable deviation dmax = 2x5 meters x 0.2 mm / m = 2 mm. Therefore, the distance between the marks should not exceed 2 mm.

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		