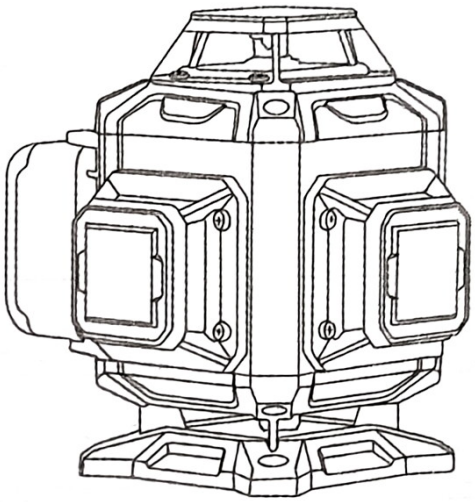
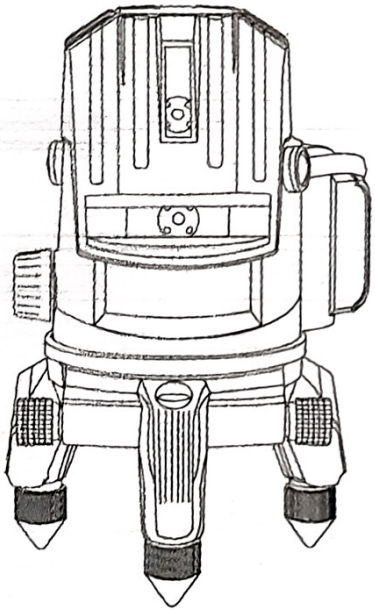
HIGH PRECISION LASER LEVEL

LASERlevel

Product instructions



3D/4D level instrument

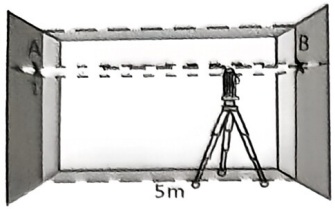


2/3/5 high precision level



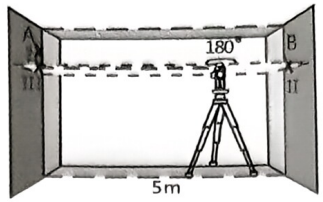
This Product is designed for use in China.Acesun does not take any service of this product using in other countrise.

Emission diagram of 3D level



Move the measuring instrument to the pipe wall B (no need to rotate the measuring instrument), start the measuring instrument and make the instrument level.

Adjust the height of the measuring instrument (with the help of tripod, if necessary, use cushion block) so that the intersection of laser lines is accurately projected on point II of wall B.



Rotate the measuring instrument 180 degrees, but do not change the height of the measuring instrument, adjust the measuring instrument, let the laser line in the vertical direction pass through point 1 of wall a, let the measuring instrument level, and make a mark on the intersection point of the laser line of wall a (point III)

The difference d between point 1 and point 111 of wall a is the actual height deviation of the measuring instrument.

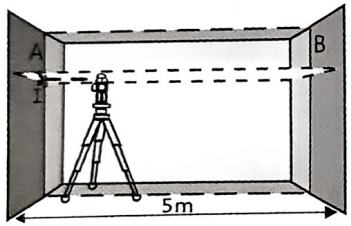
You can use the following formula to calculate the maximum allowable deviation, Dmax, Dmax = twice the wall spacing x0.2mm/m

Example: if the distance between walls is 5m, the maximum allowable deviation Dmax = 2x5m x 0.2mm/m = 2mm. So the distance between marks should not exceed 2mm.

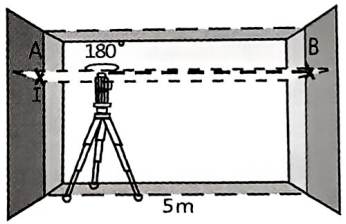
Check the height accuracy of the horizontal laser beam

For this check, you must find a 5-meter-long line segment without obstruction, and the line segment must be between walls a and B.

Install the measuring basin instrument on the tripod, and place the tripod near the wall a, or place the instrument on the solid and flat ground near the wall, start the measuring instrument, and select the measuring function to start the automatic leveling function. The selection will generate a horizontal laser plane and a vertical laser plane directly in front of the measuring instrument



Align the laser line with the relatively close wall a, level it with the best tester, find out 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, level the instrument, find out the intersection of the laser line on the wall B, and mark the central position of the point (point II)

LASER level

1、 Purpose and scope of use

1、use

Laser line projector is widely used in construction engi and theodolite. It uses laser lines to accurately proje construction process more convenient, time-saving, lal high precision.

2、Scope of use

Laser line projector is widely used in various construc bricklayers, painters, electricians, etc

2、 Product functions and features

Characteristic:

1. The machine is inclined for 3 ° and automatic
2. Alarm function beyond the safe range;
3. Magnetic damping compensation system ensu
4. The line can be divided into three gears: hori over the zenith;
5. The laser point to the ground can be used for the point to the ground);
6. 360 degree rotatable base, equipped with fine find the target;
7. The working height of the machine can b accessories);

Functions:

1. The horizontal line can be drawn on the wall;
2. The vertical line can be drawn on the wall, and
3. The laser point to the ground is precisely locat

3、 How to use

1. Insert the original battery into the battery slot
2. Rough leveling can be achieved by adjusting instrument with bubbles in the circle (it is not neces will automatically level;
3. Turn on the right turn on power / lock switch, started;
4. Operation according to the actual situation, represents horizontal line) on the top of the casing t to accurately align a certain working position, you ca knob to complete the fine adjustment. If you want to r accessories) to adjust the high and low levels;
5. In case of alarm, if the instrument is not level legs need to be adjusted until the light does not flasl
6. The inclined line will beep and alarm when the press the out key for about 3 seconds (hear a drop) the inclined line function. At this time, the tilted ma need to turn off the direct left–hand power switch, yc
7. When closing, just turn the locking switch bac

LASER level High precision infrared product instruction

1、 Purpose and scope of use

1、use

Laser line projector is widely used in construction engineering. It has the function of marking with original level and theodolite. It uses laser lines to accurately project the work line on the work object, which makes the construction process more convenient, time-saving, labor-saving and can ensure the construction quality with high precision.

2、Scope of use

Laser line projector is widely used in various construction units of construction projects, such as carpenters, bricklayers, painters, electricians, etc

2、 Product functions and features

Characteristic:

1. The machine is inclined for 3 ° and automatically leveled;
2. Alarm function beyond the safe range;
3. Magnetic damping compensation system ensures fast leveling time;
4. The line can be divided into three gears: horizontal, vertical and cross. The vertical line can extend over the zenith;
5. The laser point to the ground can be used for machine positioning (line 2 machine does not include the point to the ground);
6. 360 degree rotatable base, equipped with fine adjustment structure, can make the machine quickly find the target;
7. The working height of the machine can be adjusted arbitrarily with the tripod (with optional accessories);

Functions:

1. The horizontal line can be drawn on the wall;
2. The vertical line can be drawn on the wall, and the cross line can be drawn to the ceiling;
3. The laser point to the ground is precisely located by the machine;

3、 How to use

1. Insert the original battery into the battery slot, and pay attention to the direction during installation;
2. Rough leveling can be achieved by adjusting the three legs on the rotating base to the top of the instrument with bubbles in the circle (it is not necessary to be very accurate). At this time, the instrument will automatically level;
3. Turn on the right turn on power / lock switch, when the machine light is on, it means that it has been started;
4. Operation according to the actual situation, press the V / h key (V represents vertical line, H represents horizontal line) on the top of the casing to achieve the light combination you need. If you want to accurately align a certain working position, you can manually rotate the machine with the fine adjustment knob to complete the fine adjustment. If you want to raise or lower the level, you can use the tripod (optional accessories) to adjust the high and low levels;
5. In case of alarm, if the instrument is not leveled, the laser line will flash. At this time, only three foot legs need to be adjusted until the light does not flash;
6. The inclined line will beep and alarm when the machine is tilted. At this time, put the machine flat and press the out key for about 3 seconds (hear a drop) when the machine is in a safe and flat state to turn on the inclined line function. At this time, the tilted machine can operate normally without any alarm. If you need to turn off the direct left–hand power switch, you can;
7. When closing, just turn the locking switch back to the off state to automatically lock the instrument.

LASER level High precision infrared product instruction

1、 FAQs

1. After the switch is turned on, the machine will give an alarm in the horizontal state, indicating that the power is insufficient. Please connect the power supply and use it after charging;

2. The laser line flickers to prove that the machine is not in the safe range, please adjust the level through the outrigger;

3. The laser line is blurry, please wipe the shell glass with clean cotton cloth;

4. When the machine is opened, it is not automatically leveled. This is the shell attached to the pendulum body. It can be automatically leveled after shaking.

2、 Safety precautions

1. Do not look directly at the laser beam;

2. Class 2 laser products, harmless to human body;

3. Heavy pressure and vibration are strictly prohibited;

4. Products shall be placed in ventilated, dry, heat insulated and fire-proof warehouses, and shall not be in contact with corrosive articles;

5. Products shall be handled with care during loading, unloading and use, and shall not be thrown or dropped;

6. Please use the original charger for charging. Please send someone to watch and watch when charging.

3、Daily maintenance and precautions

1、Routine maintenance

1) Please store the machine in a dry, ventilated, constant temperature and dust-free place;

2) Please wipe the outer glass frequently to ensure the light transmission;

3) When it is not used for a long time, please release the locking switch for half an hour regularly to ensure that the bearing swings flexibly.

2、Matters needing attention

1) Non professional personnel, do not dismantle the machine;

2) Please avoid violent vibration, collision and falling of the machine;

3) Please pay attention to lock the lock switch after use;

4) If the battery is not used for a long time, it needs to be taken out and placed separately;

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.:

PASS
06