



Product Introduction Manual

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VS5-3-F Laser Level



Please be sure to read all safety clauses and operating instructions in this manual before using the product

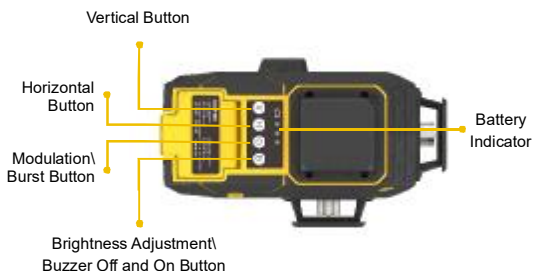
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Product Description

1 Host Introduction

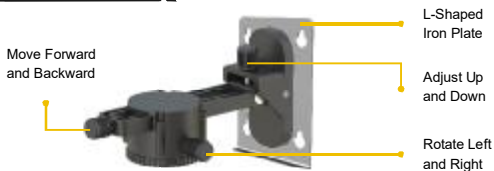


2 Control Panel

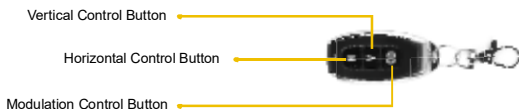




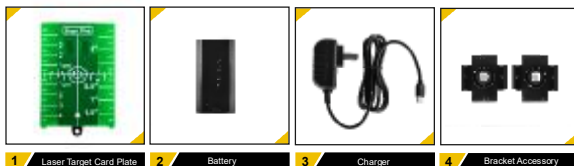
3 Bracket Introduction <<



4 Remote Control Introduction <<



5 Other Accessories <<





6 Product Technical Specifications

Laser Safety Standards	Class II laser products
Laser Wavelength	Green light 515nm
Automatic Leveling Range	$\leq 3^\circ$
Automatic Leveling Time	$\leq 3S$
Horizontal Accuracy	$\pm 0.3mm/m$
Vertical Accuracy	$\pm 0.3mm/m$
Line Width	2mm/5m
Brightness Adjustment 3 Levels of Brightness	100%, 75%, 50%
Power Supply	DC3.7V 5000mAh
Operating Temperature	-10~+40°C
Storage Temperature	-20~+55°C
Remote Control Distance	$\leq 8m$
Base Thread Size	1/4 inch

7 Operation Method

- 1 Place the level on the ground or install it on a bracket fixed on the wall.
- 2 Fix the instrument on the bracket and adjust the tail and side knobs on the bracket so that the instrument is flat against the wall.
- 3 Turn on the locking switch of the level, the machine starts to work, the horizontal outlet opens automatically, emits horizontal laser rays, and controls the vertical or horizontal line through V or H on the key board.
- 4 When this model is powered on, long press (2-3S) the O key on the key panel to enter the slash mode; long press (2-3S) the O key on the key panel again to exit the slash mode.



- ⑤ When this model is powered on, the vertical and horizontal light of the instrument are the brightest (100%). Short press the B button to adjust the vertical and horizontal light brightness of the instrument (3 levels of brightness, 100%, 75%, 50%, cycle in sequence)
- ⑥ When this model is powered on, within the range of 0-8 meters, press the H button on the remote control to turn on or off the horizontal light of the instrument, press the V button on the remote control to control the vertical light of the instrument on or off, press the The OD button controls the switching of instrument modulation, strobe and normal states.

8 Accuracy Check

Horizontal line check

- ① Place the machine in the middle of a room about 10 meters long and 8 meters wide.
- ② Establish 4 points arbitrarily on the four walls as the original coordinates when the horizontal laser is projected.
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Vertical line check

- ① Hang a plumb line on the wall.
- ② Place the instrument 5 meters from the wall.



- ③ Use the vertical laser line emitted by the instrument to align the plumb line to see if the distance between the two is greater than the error range, and then Rotate the instrument 180°, align the vertical laser line emitted by the instrument with the plumb line, and check the distance between the two. is greater than the error range.
- ④ The remaining 1 laser inspection is the same as step 3.

9 Common Faults and Troubleshooting

Phenomenon	Cause Analysis	Solutions
The switch is turned to the "ON" position, but the laser line does not light up.	1. Low battery power 2. The instrument exceeds the operating temperature range	1. Charge the lithium battery 2. Make sure the operating temperature of the instrument is between -10°C and 40°C
Laser line flashes	Instrument out of operating range	Adjust the instrument to a roughly level state
The switch is turned to the "ON" position, but the laser line does not light up.	1. The ambient temperature of the instrument changes suddenly 2. The instrument has been subject to strong impact or drop.	1. Leave it for a period of time to make the temperature of the instrument consistent with the environment. 2. Send for repair
The laser line become thicker or blurry	There is dust on the surface of the light outlet glass	Clean with soft cloth dampened in water
Laser line visibility deteriorates	1. The ambient light is too bright 2. Low battery power	1. Reduce ambient light brightness 2. Charge the lithium battery



10 Operation Precautions <<

- ❶ The lithium battery wall mounter has only a weak power when it leaves the factory. Please charge it before use.
- ❷ Before each use, self-check the accuracy of the instrument according to the instructions in the operation manual, and calibrate the accuracy of the instrument regularly.
- ❸ Avoid heavy impact or vibration, and lock the locking switch when not in use.
- ❹ Do not use organic solutions to wipe the surface of the instrument.
- ❺ Avoid exposing the instrument to sunlight.
- ❻ When the instrument is not used for a long time, the battery should be removed.
- ❼ The instrument should be stored in a dry and ventilated environment.

11 Security Terms <<

- ❶ Do not attempt to change the performance of the laser in any way, as this may cause dangerous laser exposure.
- ❷ This product is harmless to the human body, but do not look directly at the laser.
- ❸ Class II laser products. Turn on the laser only when using the instrument.

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

* RF warning for Portable device:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.