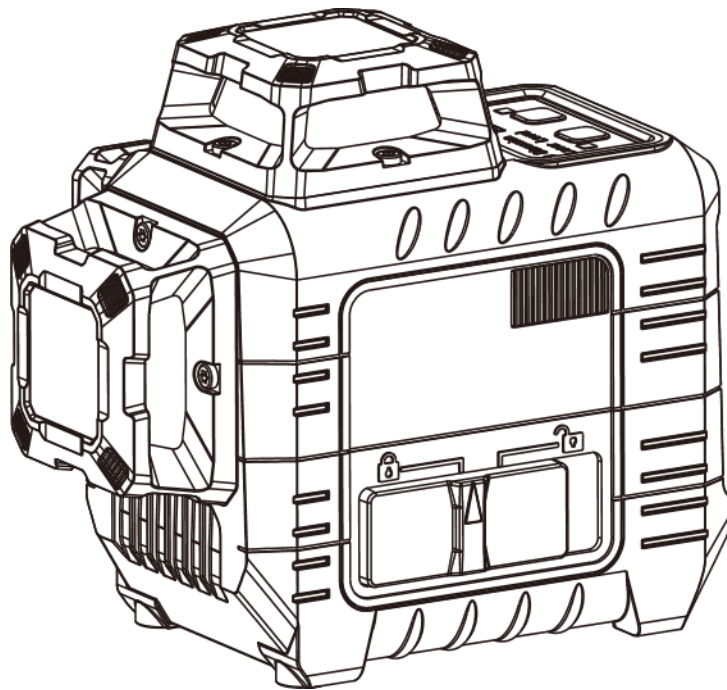


User Manual

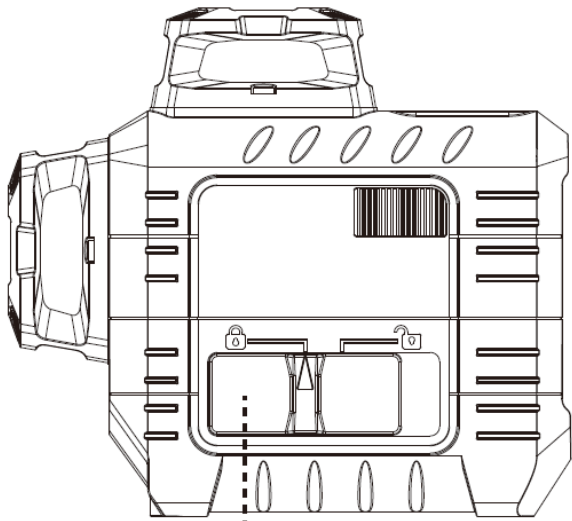
PLOTT

3X360 -G Line Laser

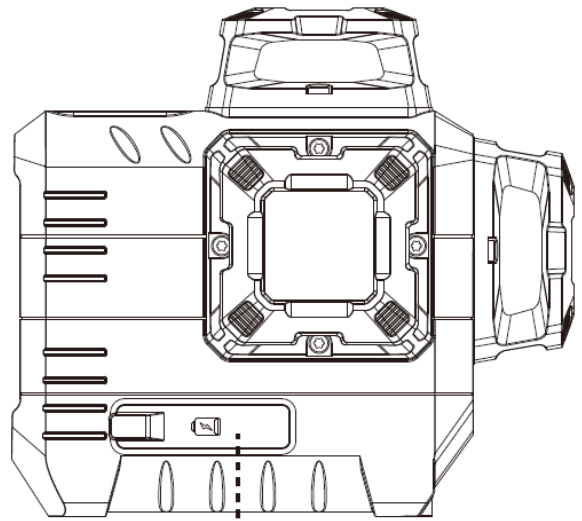
Model: PLL30-G



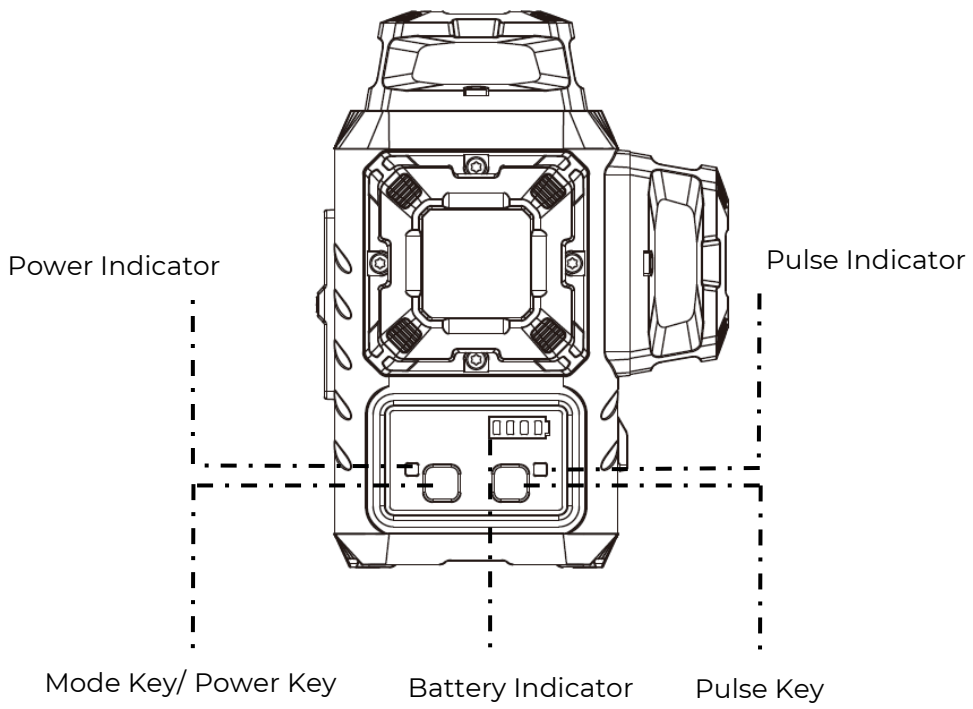
WARNING: To reduce the risk of injury, user must read and understand user manual. Working safely with the measuring tool is possible when the operating and safety information are read completely, and the instructions contained therein are strictly followed. Save these instructions for reference.



Lock/Unlock



Type-C Slot



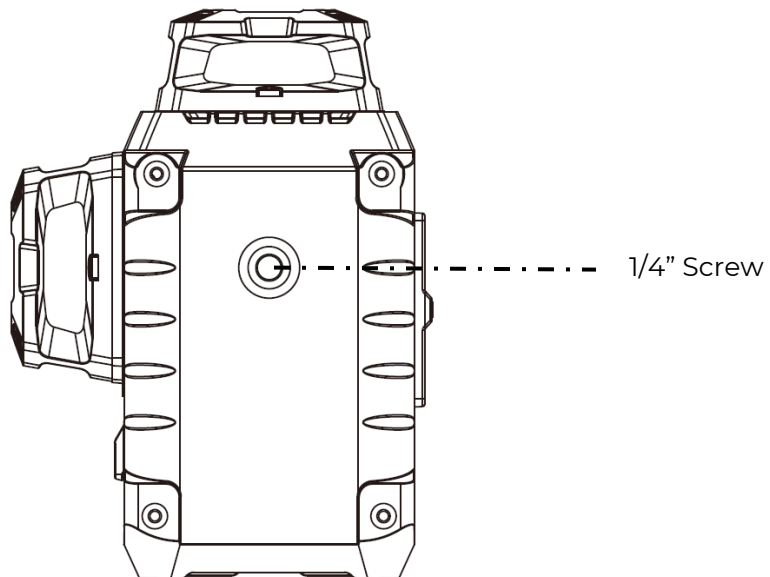
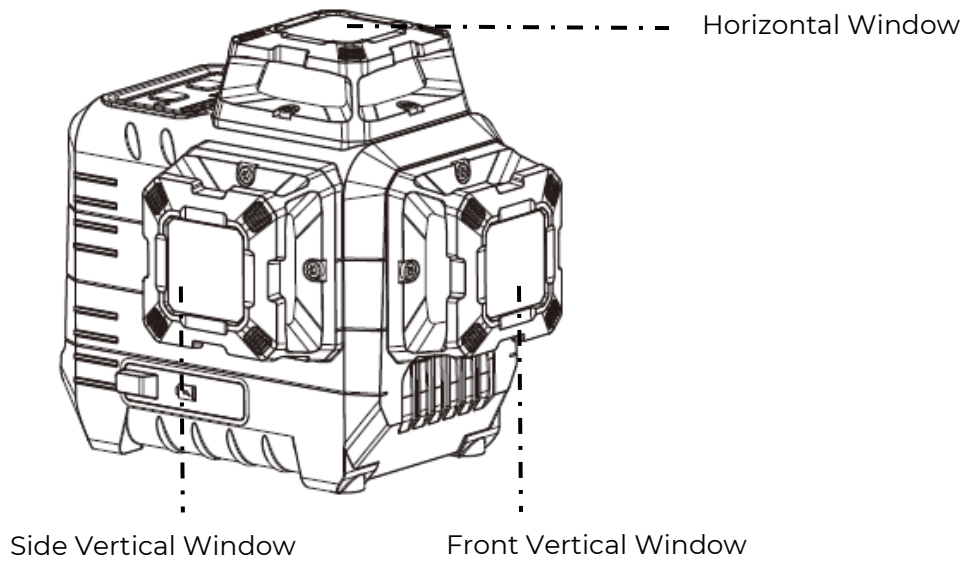
Power Indicator

Pulse Indicator

Mode Key/ Power Key

Battery Indicator

Pulse Key



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.

Warning: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



Safety notes



**LASER RADIATION
DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT**

- Caution – modifying or adjusting equipment can lead to dangerous radiation exposure.
- While the product is in operation, be careful not to expose your eyes to the emitting laser beam. An exposure to the beam of a Class 2 laser is considered safe for a maximum of 0.25 seconds. Eyelid reflexes will normally provide adequate protection.
- Do not stare directly into the beam or view directly with optical instruments or set up the laser at eye level.
- Have the measuring tool repaired on through qualified specialists using original spare parts. This ensures that the safety of the measuring tool is maintained.
- Do not allow children to use the laser measuring tool without supervision. They could unintentionally blind other person or themselves.
- Do not operate the measuring tool in explosive environment, such as in presence of flammable liquids, gases or dusts. Sparks can be created in the measuring tool which may ignite the dust or fumes.
- Do not make any modifications to the laser equipment.

Intended use

The measuring tool is intended for determining and checking horizontal and vertical lines. The measuring tool is suitable exclusively for operation in enclosed working sites.

Charge the batteries

1. Before charging the battery, read the operating instructions for the charger.

2. Make sure that the contacts on the battery and the contacts on the charger are clean and dry.
3. Use an approved charger to charge the battery.

Operation

Initial operation

- Charge the batteries at least 8 hours in the first charge.
- Always make sure the Lock Switch is on lock position during transport and storage.
- Protect the measuring tool against moisture and direct sun light.
- Do not subject the measuring tool to extreme temperatures or variations in temperature. In case of large variations in temperature, allow the measuring tool to adjust to ambient temperature before putting it into operation.
- Switch the measuring tool off and make sure the Lock Switch is on lock position during transport.

Operating modes

1. Auto Self-levelling Mode

In Auto Self-levelling Mode, the measuring tool will level itself automatically.

- Slide the Lock Switch to **unlock** position.
- To switch on the measuring tool, short press the mode key. The Power Indicator become Green.
- Immediately after switching on, the measuring tool sends out horizontal beam with automatic levelling range of $\pm 4^\circ$. Once the levelling is finished, the laser beams won't flash anymore.
- To change the laser beam, shortly press the mode key repeatedly to cycle through the available modes. The following sequences are available.

Lock Switch Position	Short Press Sequences	Horizontal Laser Line	Front Vertical Laser Line	Side Vertical Laser Line
Unlock	1	■		
Unlock	2		■	
Unlock	3		■	■
Unlock	4	■	■	

Unlock	5	■	■	■
Unlock	6	Repeat from 1		

- To turn off the measuring tool, press and hold the mode key for more than 3 seconds.
- Slide the Lock Switch to **lock** position.

2. Manual Mode

In manual mode the measuring tool won't be self-levelling. It could be held by hand or placed on an inclined surface to project a rigid laser beam in any orientation.

- Slide the Lock Switch to **lock** position.
- To switch on the measuring tool, short press the mode key. The Power Indicator become Red.
- Immediately after switching on, the measuring tool sends out horizontal beam.
- To change the laser beam, shortly press the mode key repeatedly to cycle through the available modes. The following sequences are available.

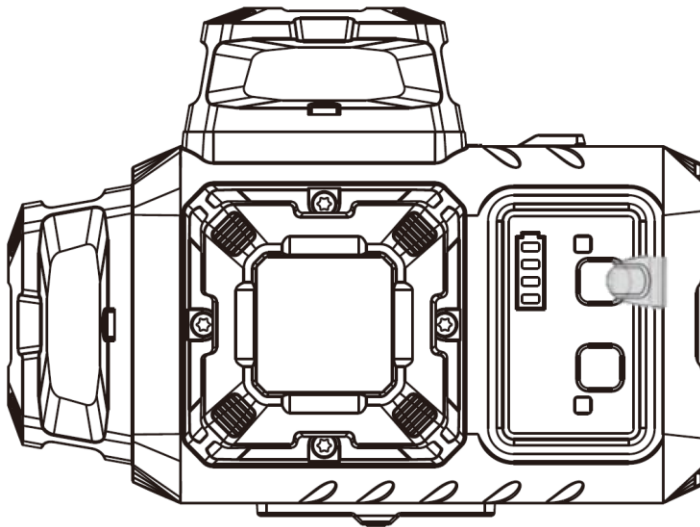
Lock Switch Position	Short Press Sequences	Horizontal Laser Line	Front Vertical Laser Line	Side Vertical Laser Line
Lock	1	■		
Lock	2		■	
Lock	3		■	■
Lock	4	■	■	
Lock	5	■	■	■
Lock	6	Repeat from 1		

- The laser lines flash every 5 seconds to save energy.
- To turn off the measuring tool, press and hold the mode key for more than 3 seconds.

Pulse mode

In the pulse mode, the laser lines flash at a very high frequency and can therefore be found by the laser receiver (not included) in brighter environments or at greater working distances. Shortly press the pulse key button, the pulse mode is on. The pulse indicator light flashes. Shortly press it again to switch off the pulse mode.

(Note: When you open pulse mode, you can use a laser receiver (not included) to carry out levelling at long distances or when the laser beams are not visible)




Specifications

Model number	PLL30-G
Laser type	520 ± 10 nm
Tripod mount	1/4"
Operating time, approx.	> 8h
Working range (Diameter), to approx.	100ft
Levelling accuracy	5/64 in@33ft
Self-levelling range, typically	± 4°
Levelling duration, typically	≤3 s
Operating temperature	-10 °C-- + 50 °C
Storage temperature	-20 °C-- + 65 °C
Relative air humidity, max.	90%
Laser class	2
Laser Power	<1 mw
Weight	0.51 Kg

Note: The working range can be decreased by unfavorable environmental condition (e.g. direct sun irradiation)

Working advice

- **Working with the laser target plate (included):** Magnetic laser target with special reflective surface enhances the visibility of green laser line when working over long distance or bright sunlight conditions. Printed scale in in. and cm.
- **Fastening with the universal holder (included):** With the universal holder, you can fasten the measuring tool. Adjust the universal holder before switching on the measuring tool. The holder must be attached to **0.5 mm steel plate** to gain enough suction.

 Warning: Be careful of the strong suction between the magnets, beware of finger clipping.

- **Working with the tripod (not included):** Tripod offers a stable, height adjustable measuring support. Place the measuring tool via the mount onto the 1/4" male thread of the tripod and screw the locking screw of the tripod tight.
- ✓ Always use the center of the laser for marking as the width of the laser line changes with the distance.

Maintenance

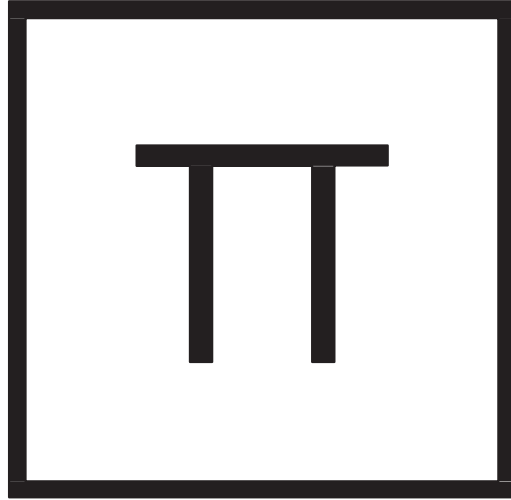
- Maintain and keep the measuring tool clean at all times.
- Regularly clean the surfaces at the exit opening of the laser in particular, and attention to any fluff or fibers.
- Wipe off debris using a moist and soft cloth, do not use any cleaning agents or solvents.
- Do not immerse the measuring tool in water or other fluids.
- Store and transport the measuring tool only in the supplied protection packing.
- If the laser level is unusable, it should be repaired by an authorized after-sales service. Do not open the gauge by yourself.
- In case of repairs, send the measuring tool packed in its protective packing.

Three Year Limited Warranty

Plott will repair, without charge, any defects due to faulty materials or workmanship for three years from the date of purchase provided that:

- Proof of purchase is produced;
- Service/repairs have not been attempted by unauthorized persons;
- The product has been subject to fair wear and tear;
- The product has not been misused;

Defective products will be repaired or replaced, free of charge or at our discretion, if sent together with proof of purchase to our authorized distributor(s).



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