

PREXISO PLC361 360 Degree Cross Line Laser Level



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PREXISO

PREXISO PLC361 360 Degree Cross Line Laser Level



Product Information

Specifications

- **Product Name:** PLC361
- **Product Type:** 360-Degree Cross Line with 90 Degree Laser Level
- **Warranty:** 2 years
- **Website:** www.prexiso-eu.com

Product Usage Instructions

Safety Instructions

Please read and follow the safety instructions below to ensure safe and proper usage of the PLC361

1. Always wear appropriate personal protective equipment (PPE) such as safety goggles and gloves when using the PLC361.
2. Keep the PLC361 away from water and other liquids to prevent damage to the device.
3. Do not disassemble or modify the PLC361 as it may result in malfunction or injury.
4. Avoid pointing the laser beam towards people or animals, as it may cause harm to their eyes.
5. Store the PLC361 in a cool and dry place when not in use.
6. Keep the device out of reach of children.

Setup and Calibration

Follow the steps below to set up and calibrate the PLC361

1. Place the PLC361 on a stable surface or mount it securely using the provided mounting bracket.
2. Turn on the device by pressing the power button.
3. Adjust the leveling screws or knobs to ensure the device is perfectly level.
4. Press the calibration button to initiate the calibration process.
5. Wait for the device to complete the calibration. The indicator light will turn solid when calibration is successful.

Operating Modes

The PLC361 offers different operating modes to suit various applications:

- **360-Degree Cross Line Mode:** In this mode, the PLC361 projects a horizontal and vertical laser line, forming a cross pattern.
- **90-Degree Laser Level Mode:** In this mode, the PLC361 projects a single laser line at a 90-degree angle.

Using the PLC361

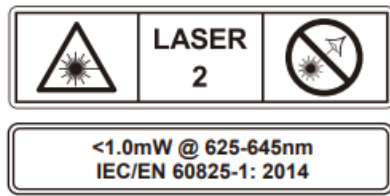
Follow these steps to use the PLC361

1. Ensure the device is properly set up and calibrated.
2. Select the desired operating mode using the mode switch or button.
3. Position the device at the desired location.
4. Press the power button to turn on the laser beam.
5. Adjust the position and angle of the device to align the laser line as needed.

FAQ

- **Q: Can I use the PLC361 outdoors?**
 - **A:** Yes, the PLC361 can be used outdoors. However, it is important to protect the device from water and extreme weather conditions to prevent damage.
- **Q: How far can the laser beam reach?**
 - **A:** The maximum range of the laser beam depends on various factors such as ambient lighting conditions and surface reflectivity. Under optimal conditions, it can reach up to Xmeters.
- **Q: Can I replace the batteries in the PLC361?**
 - **A:** Yes, the PLC361 is powered by replaceable batteries. Refer to the user manual for detailed instructions on battery replacement.

SAFETY INSTRUCTIONS



- Working safely with the measuring tool is possible only when the operating and safety information are read completely and instructions contained herein are strictly followed. Never make warning labels on the measuring tool unrecognizable.

SAVE THESE INSTRUCTIONS.

- **Caution** – The use of operating or adjusting equipment or the application or processing methods other than those mentioned herein, can lead to hazardous radiation exposure.

WARNING

- **LASER RADIATION.** Do not stare into beam. Class II laser product. Turn the laser beam on only when using this tool.
- Do not remove or deface any product labels.
- Avoid direct eye exposure. The laser beam can cause persons being blinded.
- Do not operate the tool around children or allow children to operate the tool.
- Do not place the tool in a position that may cause anyone to stare at the laser beam, whether intentionally or unintentionally.
- Do not use on reflecting surfaces such as sheet steel, glass or polished metal etc. that have shiny, reflective surfaces. The shiny surface could reflect the beam back at the operator.
- Always turn the laser tool off when not in use. Leaving the tool on increases the risk of someone inadvertently staring into the laser beam
- Do not attempt to modify the performance of this laser device in any way. This may result in a dangerous exposure to laser radiation.
- Do not attempt to repair or disassemble the laser-measuring tool. If unqualified persons attempt to repair this product, serious injury may occur. Any repair required on this laser product should be performed only by qualified service personnel.
- Use of other accessories that have been designed for use with other laser tools could result in serious injury.
- Do not operate the tool outdoors.
- Do not place or store tool under extreme temperature conditions.
- Do not operate the tool in explosive environments, such as in the presence of flammable liquids, gases or dusts. Sparks can be created in the tool which may ignite the dust or fumes.
- Keep the tool away from cardiac pacemakers. The magnet inside the tool generates a field that can impair the function of cardiac pacemakers.
- Keep the tool away from magnetic data medium and magnetically-sensitive equipment. The effect of the magnetic can lead to irreversible data loss.
- Measurement may not be accurate if used beyond the rated range of the device.
- The use of optical instruments with this product will increase eye hazard.

- Always make sure any bystanders nearby aware of the dangers of looking directly into the measuring tool.
- Do not use the laser viewing glasses as safety goggles, they do not protect eyes against laser radiation.
- Always remove the batteries when cleaning the laser light aperture to laser lens.

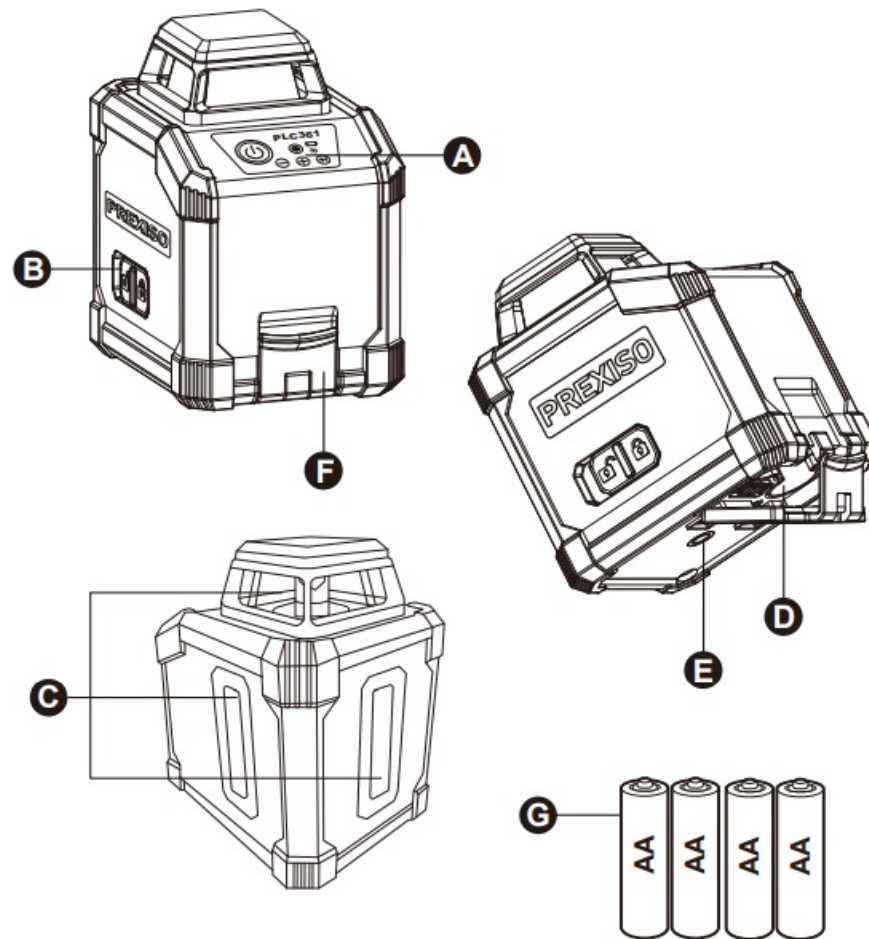
TECHNICAL SPECIFICATIONS

COMPONENT	SPECIFICATIONS
Laser	$\lambda=625\text{-}645\text{ nm}$, Class 2 laser, maximum laser output<1 mW
Operating range (typically)	20M (65FT)*
Accuracy (typically)	4mm@10M ($\pm 5/32\text{ IN}@32\text{ FT}$)
Self-leveling range	$\pm 3^\circ$
Estimated battery life	15 hours (alkaline batteries)
Optimum operating temperature	14°F to 104°F (-10°C to 40°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Batteries	4 x 1.5V alkaline AA

- **Important:** The accuracy is rated within distance of 10 meters. Under unfavorable conditions, such as in extreme interior illumination, transparent surfaces (eg. glass, water), porous surfaces (eg. insulation materials) or reflecting surfaces (eg. polished metal, glass) or very rough surfaces (eg. rough cast, natural stone), the tool's measuring range and accuracy will be reduced.

DESCRIPTION

KNOW YOUR SELF-LEVELING 360° CROSS LINE LASER TOOL



- This self-leveling 360° cross line laser is a highly versatile tool. It can be placed on the ground, mounted on a door frame or work bench etc. when use the appropriate accessories eg. wall mount, tripod etc. but not limited.
- Self-leveling levels within +3 degrees to -3 degrees with an accuracy of 4mm@10M (±5/32 IN@32 FT).
- AA alkaline batteries

PARTS

PARTS	DESCRIPTION
A	Power/Mode button
B	Lock / Unlock switch
C	Laser aperture
D	Battery compartment
E	1/4"-20 threaded mounting hole
F	Battery compartment latch
G	AA batteries

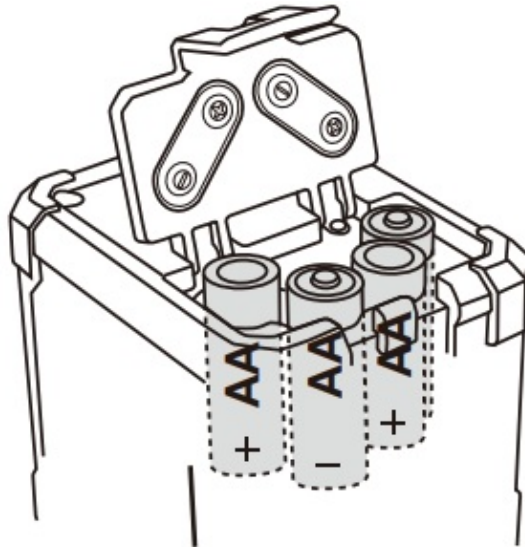
UNPACKING

When unpacking the box, do not discard any packing materials until all of the contents are accounted for:

- Self-Leveling Cross Line Laser Tool
- 4 x AA alkaline batteries
- Operator's manual
- Carefully lift the compact laser measuring tool out of the package and place it on a stable, flat surface.

ASSEMBLY

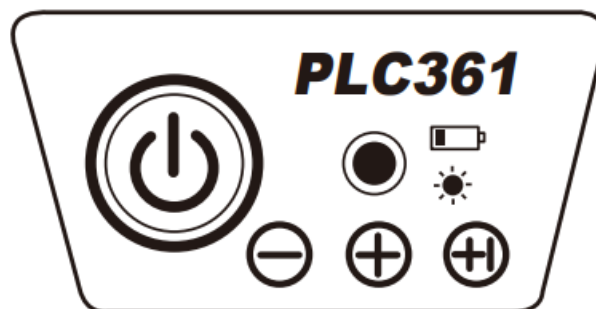
INSERTING/REPLACING THE BATTERY






- AA alkaline batteries are recommended for the measuring tool.
- To open the battery compartment lid, press the latch and open it. Insert the batteries provided. Pay attention to the correct polarity of the batteries according to the representation on the metal plate inside the lid. Always replace all batteries at the same time. Only use batteries from one brand and with the identical capacity.
- **NOTE:** Remove the batteries from the measuring tool when not using it for extended periods. When storing for extended periods, the batteries can corrode and discharge themselves.

OPERATION


TO TURN THE COMPACT SELF-LEVELING CROSS LINE LASER ON AND OFF






- The  button is located on the top of the tool housing.

- a. Press  the button to turn the self-leveling 360° cross-line laser on.
- **WARNING:** When turning on the tool, always be aware of protecting your eyes and the eyes of those around you. Never point the tool at anyone's face, including your own.
- b. To turn the tool off, press and hold the  button 5 seconds.

LASER LINE PROJECTION MODES



The self-leveling 360-degree cross-line laser has three laser-projection modes. To select a specific laser projection mode, press the button  until you get the desired projection mode. This laser tool defaults to the horizontal pattern mode when it is turned on.

To choose a projection mode, press the mode button:

- a. Press  the button once to select the horizontal laser line.
- b. Press the  button twice to select the vertical laser line.
- c. Press the  button three times to the cross-hair pattern (one horizontal and two vertical lines).

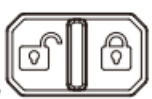


LEVELING MODES

The self-leveling 360-degree cross line laser has two leveling modes: self-leveling mode and lock (manual) mode.

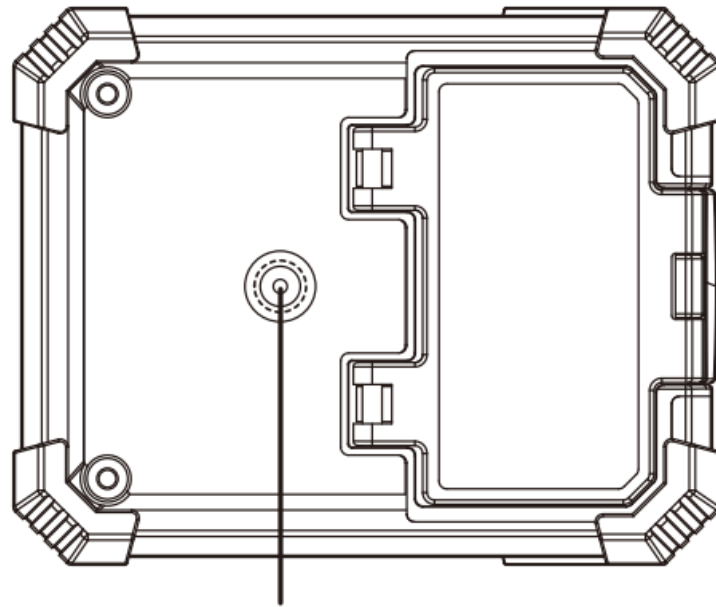
- In self-leveling mode, the tool will level itself if it is within $\pm 3^\circ$ of horizontal.
- a. Place the self-leveling 360-degree cross line laser on a flat, smooth surface that is within $\pm 3^\circ$ of horizontal.
- b. Press  the button until the desired laser-projection mode is achieved.
- c. Slide the  switch to the direction of the side. The self-leveling 360-degree cross line laser will automatically level within 4 seconds.
- d. If the surface on which the self-leveling 360-degree cross line laser is placed exceeds $\pm 3^\circ$ from horizontal, the laser line will blink with
- 5Hz frequency as an alarm. In this case, adjust the angle of the surface slightly.

LOCK (MANUAL) MODE

- This mode cannot be used to perform horizontal or vertical leveling, because the laser lines are no longer self leveling. In this mode, the laser line will blink once every 3 seconds even it is within $\pm 3^\circ$ of horizontal.

- a. Slide the  switch to  side and press the  button to turn on the laser. The laser lines are now locked and no longer functions self-leveling.
- b. Press the button to change the laser-projection mode.
- c. Slope the self-leveling cross laser to project a straight line for reference of your project.

USING WITH THE CLAMP, WALL MOUNT OR TRIPOD



1/4" - 20 nut

- At the bottom of the tool, a 1/4"-20 nut is located. Mount the tool to accessories like clamp, wall mount or tripod (not included) by assembling the tool nut with the 1/4"-20 screw on the accessories. With the accessories, the tool can work under various applications which makes jobs done easier.
- **Note:** Make sure the tool can be assembled on the accessories without damage or interference to any part of the Self-leveling 360 cross-line laser or the accessories.

APPLICATIONS

The compact self-leveling cross line laser can be placed on the ground, mounted on a work bench/door frame etc. for point marking and simple alignment by sight. It is ideal for the following applications:

- Hanging pictures, photos, or artwork on walls
- Wallpapering and stencil work
- Framing doors and windows
- Installing electrical wiring and pipes
- Mounting wall fixtures, electrical outlets, switches and lighting
- Installing a drop ceiling
- Painting
- Installing cabinets
- Laying tile and flooring

MAINTENANCE

This compact laser measuring tool has been designed to be a low-maintenance tool. However, in order to maintain its performance, you must always follow these simple directions:

- Avoid exposing the tool to shock, continuous vibration or extreme hot or cold environment.

- Always store the tool indoors.
- Always keep the tool free of dust and liquids. Use only a clean soft cloth for cleaning. If necessary, slightly moisten the cloths with pure alcohol or a little water.
- Do not disassemble the compact laser measuring tool, this will expose the user to hazardous radiation exposure.
- Do not attempt to change any part of the laser lens.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
The laser line projection is weak.	Batteries are weak.	Replace with new batteries.
The laser line is hard to see.	The tool is out of the rated operating range	Move the tool closer to be within the rated operating range.
Laser line is not projected.	No batteries installed or batteries are depleted.	Install new batteries.
Laser line flickers for alert.	The surface where the tool has been placed is uneven or the tool is working under manual mode.	Place the tool on flat surface levels within ± 4 degrees.

WARRANTY

Two-Year Limited Warranty.


- This product is warranted to the original purchaser from the original purchase date for two years subject to the warranty coverage described herein. Please retain your receipt. This product is warranted to the original user to be free from defects in material and workmanship. If you believe that the product is defective at any time during the specified warranty period, please contact Prexiso customer service agent by sending email to info@prexiso-eu.com. This warranty does not cover:

1. Part failure due to normal wear or product abuse;
2. Any parts have been altered or modified by anyone other than an authorized Prexiso personnel or failure to install and operate equipment according to the guidelines put forth in the instruction manual.
3. Any products or parts used for rental purposes, damage resulting from shipping (claims must be filed with

freighter), accident, abuse, act of God, misuse, or neglect. Prexiso will replace or repair the defective unit, at its option, subject to verification of the defect. Any implied warranties arising from the sale of a Prexiso product, including but not limited to implied warranties of merchantability and fitness for a particular purpose, are limited to the above. Prexiso shall not be liable for loss of use of the product or other incidental or consequential damages, expenses, or economic loss, or for any claim of such damage, expenses, or economic loss. This warranty excludes any accessories. This warranty gives you specific legal rights, and you may also have other rights that vary from state.

- Prexiso AG Fabrikstrasse 1 CH-8586 Erlen / Switzerland
- www.prexiso-eu.com

Documents / Resources

	PREXISO PLC361 360 Degree Cross Line Laser Level [pdf] Instruction Manual PLC361, PLC361 360 Degree Cross Line Laser Level, 360 Degree Cross Line Laser Level, Cross Line Laser Level, Line Laser Level, Laser Level, Level
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References

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