IMPORTANT: Read before Using

PREXISO® P30B-3LI

LI-ION RECHARGEABLE POCKET LASER DISTANCE MEASURE

2 YEARS LIMITED WARRANTY

www.prexiso-eu.com

P30B-3LI-05REV01-2501

Table of Contents

Safety Instructions

Do not use the product before you have studied the User Manual on the enclosed CD or on our Homepage.

If you have no such manual, or it is in the wrong language, please ask your agency for an appropriate copy.

The product is permitted to use for skilled persons only.

CAUTION:

Use of controls or adjustment or performance of procedures other than those specified herein may result in hazardous radiation exposure

WARNING:

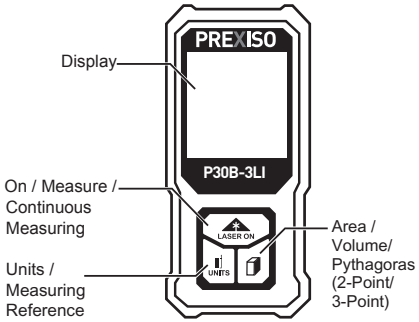
- It is a **Class 2** laser product in accordance with IEC 60825-1:2014

- 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 operate the tool outdoors.
- 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.
- Do not stare into the laser beam or direct it towards other people unnecessarily.
- Don't dazzle other individuals.
- Looking directly into the beam with optical aids can be hazardous.
- Do not operate the product in explosion hazardous areas or in aggressive environments.
- Only use chargers recommended by the manufacturer to charge the battery. Charger Input: AC100-240V 50/60Hz, Output:5V 2A. Charging improperly or failure to follow charger specified range may damage the built-in Li-ion battery, result in device operation failure and increase the risk of fire.
- Keep extremities in a safe distance from the moving parts.
- Watch out for erroneous measurements if the product is defective or if it has been dropped or has been misused or modified.
- Carry out periodic test measurements. Particularly before, during and after important measurements.
- The product and batteries must not be disposed of with household waste.

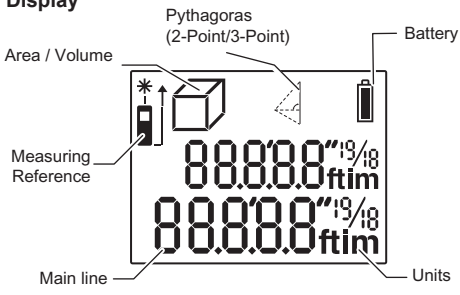
Instrument Set-up

Overview

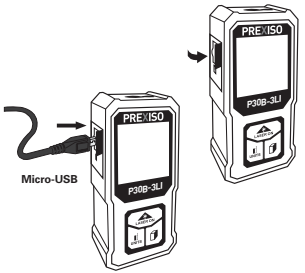
The safety instructions and the user manual should be read through carefully before the product is used for the first time.
The person responsible for the product must ensure that all users understand these directions and adhere to them.



Display



Charge the device



Open the cap and insert the USB recharging cable with Mirco-USB Port

Recharge the device when battery symbol shows empty.

Operations

Switching ON / OFF

Device is turned OFF.

If no key is pressed for 120 sec, the device switches off automatically.

Unit setting

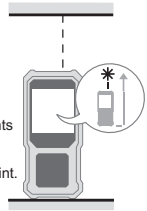
Switch between the following units:

0.000 m
0'00" 1/16
0 1/16 in
0.00 ft

Change the measurement reference

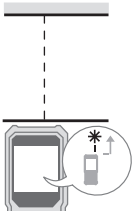
1

The system default measurements start at the bottom as a reference point.



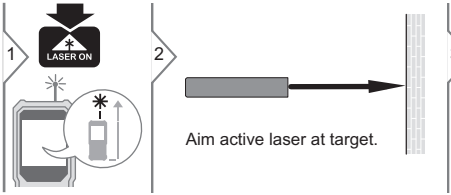
2

Press button to change the reference to top for measurement.



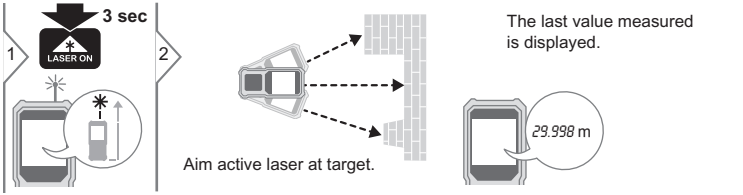
Measuring Functions

Measuring single distance

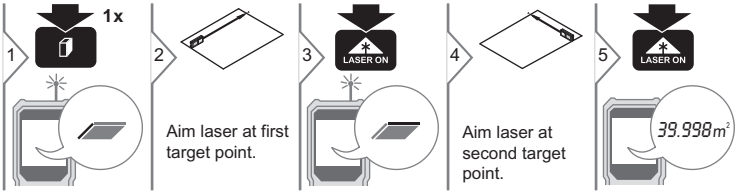


Target surfaces: Measuring errors can occur when measuring to colourless liquids, glass, styrofoam or semi-permeable surfaces or when aiming at hight gloss surfaces. Against dark surfaces the measuring time increases.

Continuous measuring

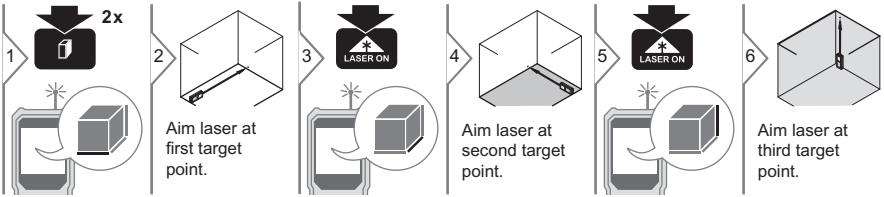


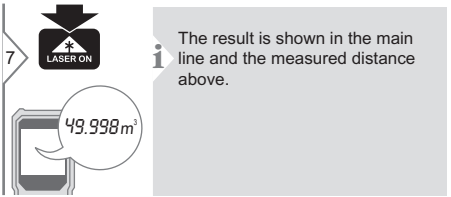
Area



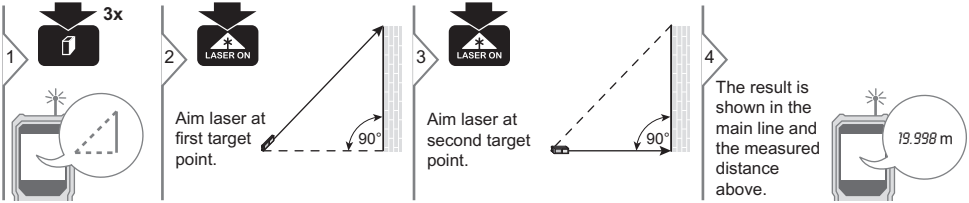
The result is shown in the main line and the measured distance above.

Measuring Functions
Volume





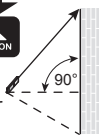
Pythagoras(2-point)



Pythagoras(3-point)

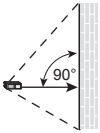
1 4x

2 LASER ON



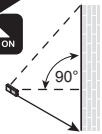
Aim laser at first target point.

3 LASER ON



Aim laser at second target point(Perpendicular to the measuring surface).

4 LASER ON



Aim laser at third target point.

5 The result is shown in the main line and the measured distance above.

Technical Data

General	
Range with favourable conditions *	1.15-100 ft 0.35 - 30 m
Accuracy with favourable conditions *	±1/8 in ± 3 mm
Smallest unit displayed	1/16 in 1 mm
Laser class	2
Laser type	620-690 nm, < 1 mW
Power OFF automatically	after 120 s
Continuous measuring	yes
Dimension (H x D x W)	2.72 x 0.79 x 1.30 in 69 x 20 x 33 mm
Battery service life in measuring operation, approx.	3-5 h
Weight	0.082 lb 37 g
Temperature range:	
- Storage	14 to 140 °F -10 to 60 °C
- Operation	32 to 104 °F 0 to 40 °C

* Favourable conditions are: white and diffuse reflecting target (white painted wall), low background illumination and moderate temperatures.
** Tolerances apply with a confidence level of 95%.
• The typical measurement uncertainty of ±3mm is valid for measurements on white, diffusive, reflective targets up to 10m at low ambient light and moderate temperatures. For distances greater than 10m, the measurement uncertainty could increase additionally by 0.1mm/m. In unfavourable conditions (such as bright sunlight, targets with poor reflectivity, or high or low temperatures) the measurement uncertainty could further increase up to ±4mm for distances below 10m and additionally by roughly 0.15mm/m for distances greater than 10m

Troubleshooting

Potential issue table

ISSUE	CAUSE	ACTION
Failure to switch on	Hardware protection after shocking	Restart the device
	Low battery	Recharge the device
	Insufficient On/Measure/Units button press	Press the On/Measure/Units button firmly
All dashes shows on display	Beam is moved too fast	Move the measuring tool slowly
	The object is out of rated range	Measure within rated range
	Received signal too weak/ Measuring time too long	Change target surface (e.g. white paper)
	Received signal too strong (target is too reflective)	Change target surface (e.g. white paper)
	Ambient light is too strong	Shadow target area

Care

- Clean the device with a damp, soft cloth.
- Never immerse the device in water.
- Never use aggressive cleaning agents or solvents.

Disposal

⚠ CAUTION

The battery must not be disposed of with household waste. Care for the environment and take them to the collection points provided in accordance with national or local regulations.The product must not be disposed with household waste. Dispose of the product appropriately in accordance with the national regulations in force in your country. Adhere to the national and country specific regulations. Product specific treatment and waste management can be downloaded from our homepage.


Lithium

Warranty

The Prexiso P30B-3LI has a two-year warranty.
For further information on this, contact your dealer.

This warranty is void if product is used for commercial purposes. This warranty is not transferable and does not cover products damaged by misuse, neglect, accident, alterations or use and maintenance other than that specified in the owner's manual. This warranty does not apply to any expendable parts that can wear from normal use. This warranty excludes any accessories.

Safety Instructions

The person responsible for the instrument must ensure that all users understand these directions and adhere to them.

Symbols used

The symbols used have the following meanings:

⚠WARNING

Indicates a potentially hazardous situation or an unintended use which, if not avoided, will result in death or serious injury.

⚠CAUTION

Indicates a potentially hazardous situation or an unintended use which, if not avoided, may result in minor injury and/or appreciable material, financial and environmental damage.

i Important paragraphs which must be adhered to in practice as they enable the product to be used in a technically correct and efficient manner.

Permitted use

- Measuring distances

Prohibited use

- Using the product without instruction
- Using outside the stated limits
- Deactivation of safety systems and removal of explanatory and hazard labels
- Opening of the equipment by using tools (screwdrivers, etc.)
- Carrying out modification or conversion of the product
- Use of accessories from other manufacturers without express approval
- Deliberate dazzling of third parties; also in the dark
- Inadequate safeguards at the surveying site (e.g. when measuring on roads, construction sites, etc.)
- Deliberate or irresponsible behaviour on scaffolding, when using ladders, when measuring near machines which are running or near parts of machines or installations which are unprotected
- Aiming directly in the sun

Hazards in use

⚠WARNING

Watch out for erroneous measurements if the instrument is defective or if it has been dropped or has been misused or modified. Carry out periodic test measurements.Particularly after the instrument has been subject to abnormal use, and before, during and after important measurements.

⚠CAUTION

Never attempt to repair the product yourself. In case of damage, contact a local dealer.

⚠WARNING

Changes or modifications not expressly approved could void the user's authority to operate the equipment.

Limits of use

i Refer to section "Technical data".The device is designed for use in areas ently habitable by humans. Do not use the product in explosion hazardous areas or in aggressive environments.

Safety Instructions

Areas of responsibility

Responsibilities of the person in charge of the instrument:

- To understand the safety instructions on the product and the instructions in the User Manual.
- To be familiar with local safety regulations relating to accident prevention.
- Always prevent access to the product by unauthorised personnel.

Electromagnetic Compatibility (EMC)

⚠WARNING

The device conforms to the most stringent requirements of the relevant standards and regulations. However, the possibility of causing interference in other devices cannot be totally excluded.

FCC statement (applicable in U.S.)

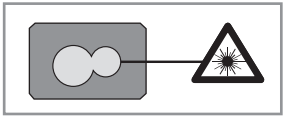
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.This equipment generates, uses and can radiate radio 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.

Laser classification

The device produces visible laser beams, which are emitted from the instrument: It is a Class 2 laser product in accordance with:

IEC60825-1 : 2014“Radiation safety of laser products”



Laser Class 2 products:

Do not stare into the laser beam or direct it towards other people unnecessarily. Eye protection is normally afforded by aversion responses including the blink reflex.

⚠WARNING

Looking directly into the beam with optical aids (e.g. binoculars, telescopes) can be hazardous.

⚠CAUTION

Looking into the laser beam may be hazardous to the eyes.

Wavelength:620 - 690 nm
Pluse duration: > 600ps
Maximum radiant output power for classification: < 1 mW
Pluse repetition frequency:320 MHZ
Beam divergence:0.16mrad x 0.6mrad