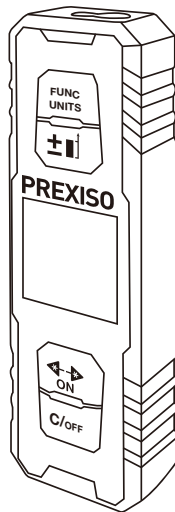


IMPORTANT: Read before Using

PREXISO[®] P70DLI

RECHARGEABLE &
DUAL LASER DISTANCE MEASURE



2 LIMITED
YEARS WARRANTY

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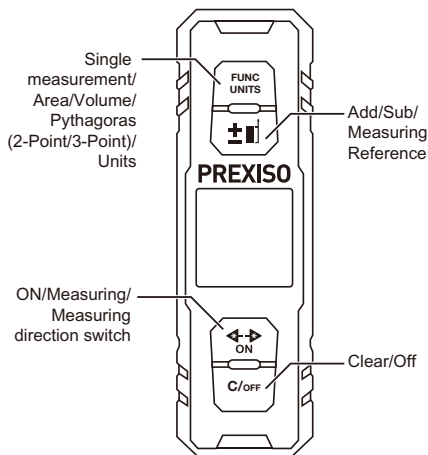
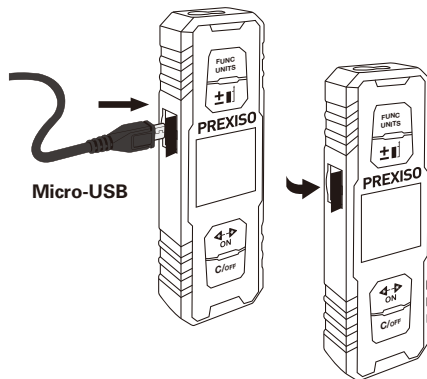
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Overview

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.

**Charge the battery**

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



Operations

Switching ON / OFF



ON



OFF

5 sec

Device is turned OFF.



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

If the info icon appears with a number, observe the instructions in section "Message Codes".

Example:



Unit setting



3 sec

Switch between the following units:

0.000 m

0.00 ft

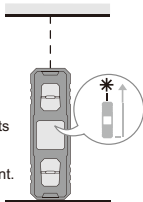
0 1/16 in

0'00" 1/16

Change the measurement reference

1

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

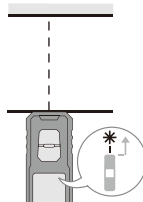


2



3 sec

Press button to change the reference to top for measurement.

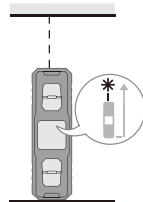


3

The measurement reference will be reset when recovering the system.

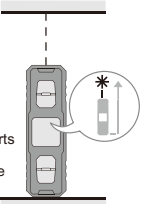



ON

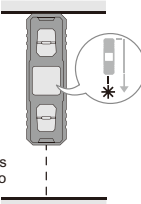



EN Change the measuring direction

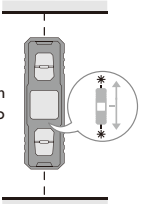
1 The system default measuring direction starts from the bottom to the top.



2  **3 sec**
Long press button to change the measuring direction starts from the top to the bottom.




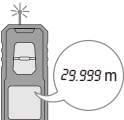
3  **3 sec**
Long press button again to change to measuring in two direction at the same time.




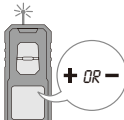
i It is unable to switch measure reference when emitting the laser from the bottom or top & bottom.


Addition/subtraction

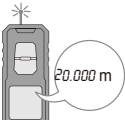
1  Measure the first data.





2  Press the "+" or "-" button to add/subtract next measurement from the previous data.



3  Then measure the second data.



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

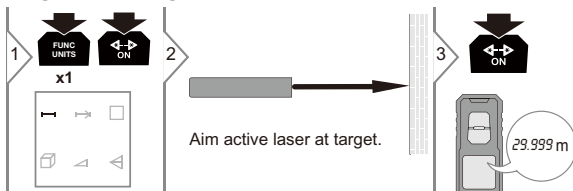


Clear

1  Press button to undo last action.

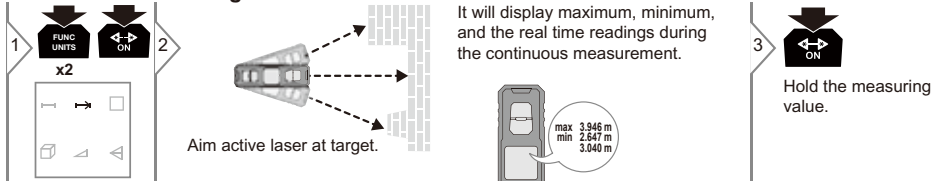
Measuring Functions

Single measuring

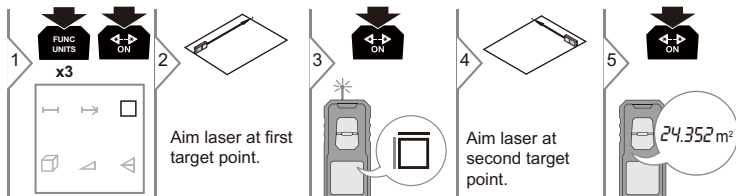


i Target surfaces: Measuring errors can occur when measuring to colourless liquids, glass, styrofoam or semi-permeable surfaces or when aiming at high gloss surfaces. Against dark surfaces the measuring time increases.

Continuous measuring

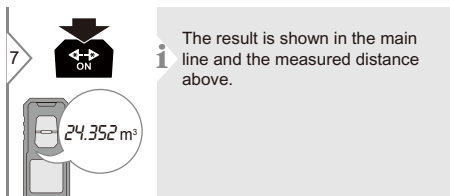
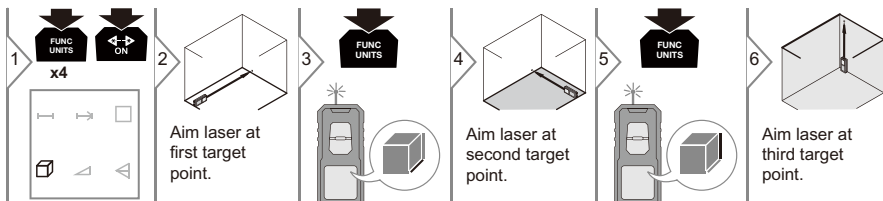


Area

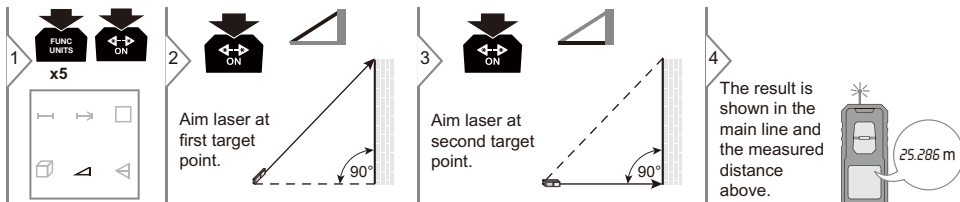


i The result is shown in the main line and the measured distance above.

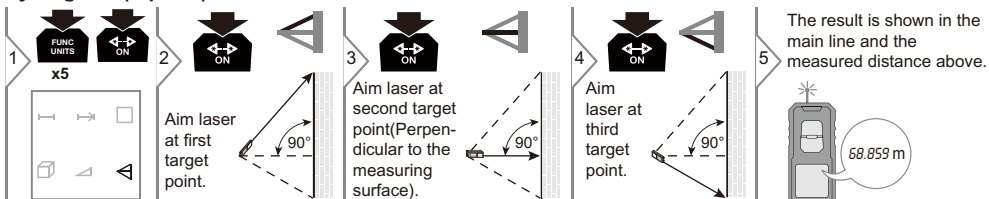
Volume



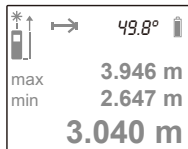
Pythagoras(2-point)



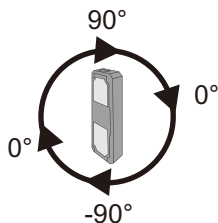
Pythagoras(3-point)



Angle measurement



i Angle value will display on the screen when laying the device at certain angle.



Technical Data

General	
Range for one head	0.3 ~ 35 m 0.98 ~ 115 ft
Range for dual head	0.6 ~ 70 m 1.97 ~ 230 ft
Measuring accuracy*	one head: $\pm 3\text{mm}(\pm 1/8")$ dual head $\pm 6\text{mm}(\pm 1/4")$
Smallest unit displayed	1 mm 1/16 in
Laser class	2
Laser type	620-690 nm, < 1 mW
Angle range	-90°-90°
Angle accuracy	< $\pm 1^\circ$
Autom. power switch-off	after 120 s
Continuous measuring	yes
Area / Volume	yes
Dimension (H x D x W)	120.4 x 36 x 21 mm 4.74 x 1.42 x 0.83 in
Battery durability (2 x AAA)	up to 3000 measurements
Weight (without batteries)	59 g / 2.08 oz
Temperature range:	-10 to 60 °C
- Storage	14 to 140 °F
	0 to 40 °C
- Operation	32 to 104 °F

* 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%.

Message Codes

If the message Error does not disappear after switching on the device repeatedly, contact the dealer.

If the message InFo appears with a number, press the Clear button and observe the following instructions:

No.	Cause	Correction
255	Received signal too weak, measuring time too long or outside of measuring range	Change target surface (e.g. white paper) or correct range.
301	Trigonometric function measurement sequence is wrong	Follow the steps to measure.
401	Hardware failure or module measurement transmission failure	Re-operate or restart or seek customer service.

Care

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

Disposal

CAUTION

Flat batteries 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.



Warranty

The Prexiso P70DLI has two-years warranty. For further information on this, contact your dealer. Subject to change (drawings, descriptions and technical data).

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".
i The device is designed for use in areas permanently habitable by humans. Do not use the product in explosion hazardous areas or in aggressive environments.

Safety Instructions

Areas of responsibility

Responsibilities of the manufacturer of the original equipment:

Prexiso AG
Fabrikstrasse 1
CH-8586 Erlen/Switzerland
Internet: www.prexiso-eu.com
The company above is responsible for supplying the product, including the User Manual in a completely safe condition. The company above is not responsible for third party accessories.

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:

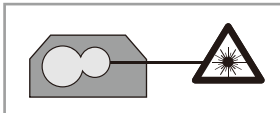
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Safety Instructions

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

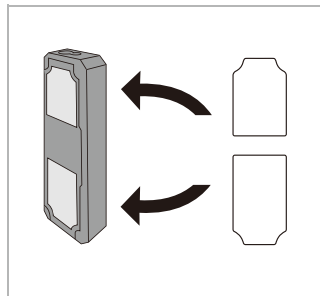
Maximum radiant output power for classification
< 1 mW

Pulse duration
> 400 ps

Pulse repetition frequency
320 MHz

Beam divergence
0.16 x 0.6 mrad

Labelling



Subject to change (drawings, descriptions and technical data) without prior notice.

