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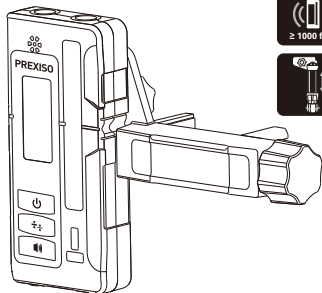
Prexiso AG
Fabrikstrasse 1
CH-8586 Erlen / Switzerland

PLR50

PREXISO

- 1) LINE LASER RECEIVER FOR RED & GREEN BEAM
- 2) LINIENLASEREMPFÄNGER FÜR ROT & GRÜN BEAM
- 3) LIGNE LASER RÉCEPTEUR POUR FAISCEAU ROUGE ET VERDE
- 4) RICEVITORE LASER DI LINEA PER ROSSO E RAGGIO VERDE
- 5) RECEPTOR LÁSER DE LÍNEA PARA HAZ ROJO Y VERDE
- 6) LIJN LASER ONTVANGER VOOR ROOD EN GROEN BEAM
- 7) KIRMIZI VE YEŞİL IŞIN İÇİN ÇIZGI LAZER ALICISI
- 8) LINE LASER MODTAGER TIL RØD OG GRØNN STRÅLE
- 9) LINEAARINEN LASERVASTAANOTIN PUNAISILLE JA VIHREILLE PALKKEILLE
- 10) LASERMOTTAKEREN LINJE FOR RØD OG GRØNN STRÅLE
- 11) LINIOWY ODBIORKNIK LASEROWY Z WIĄZKĄ CZERWONĄ I ZIEŁONĄ

2 LIMITED
YEARS WARRANTY



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IMPORTANT: Read before Using

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The safety instructions and the user manual should be read through carefully before the product is used for the first time.

SAFETY INSTRUCTION:

1. Keep the instrument dry.
2. Keep the instrument and battery out of reach of infants and children.
3. Keep the detector away from magnetic data medium and magnetically-sensitive equipment. The effect of the magnets can lead to irreversible data loss.
4. When the symbol "  " appears, the batteries are low and should be replaced. Ensure that battery polarity connections are correct when replacing batteries. If you are not using the instrument for a long time, remove the battery.

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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 behavior on scaffolding, when using ladders, when measuring near machines which are running or near parts of machines or installations which are unprotected.



CAUTION

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

LIMITS OF USE

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

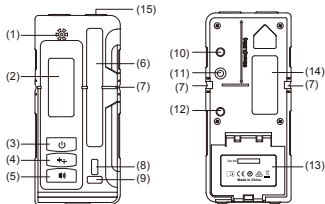
AREAS OF RESPONSIBILITY RESPONSIBILITIES OF THE PERSON IN CHARGE OF THE INSTRUMENT:

- 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 from accessing to the product by unauthorized personnel.

FUNCTION

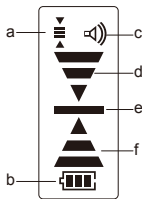
The detector is intended for swift finding of pulsating laser beams.

PRODUCT OVERVIEW



1. Speaker
2. LCD Display(Front)
3. Power On/Off Illumination On/Off
4. Selecting the detecting accuracy button
5. Audio signal button
6. Reception area for the laser beam
7. Centre mark

8. Bubble vial
9. Bubble vial
10. Guide hole for holder
11. 1/4"-20 screw
12. Guide hole for holder
13. Battery compartment
14. LCD Display(Back)
15. Magnet



DISPLAY

- a. Indicator for detecting accuracy
- b. Battery indicator
- c. Audio signal indicator
- d. Direction indicator
"move downward"
- e. Centre indicator
- f. Direction indicator
"move upward"

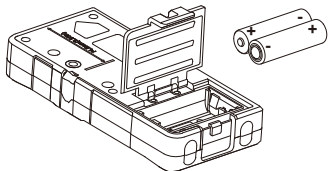
OPERATION INSTRUCTIONS

1. Inserting/Replacing the batteries

Open Battery compartment and insert two AA batteries in the battery compartment (AA alkaline batteries are recommended for the detecting tool).

When inserting batteries, pay attention to the correct polarity according to the representation on the inside of the battery compartment.

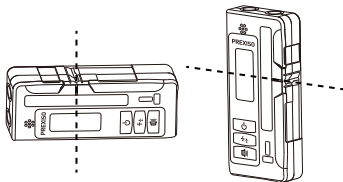
NOTE: Remove the batteries from the detector when not using it for extended periods. When storing for extended periods, the batteries can corrode and discharge themselves.



2. Setting up the detector

Switch on the pulse function of the line laser. Select an operating mode on the line laser where either only one horizontal or vertical laser plane is generated.

Position the detector in such a manner that the laser beam can reach the reception area 6. Align the detector in such a manner that the laser beam runs laterally through the reception area (as shown in the figure).



3. Switching On and Off

A loud audio signal sounds when switching on the detector and the detector receives the laser beam from the line laser. Therefore, keep the detector away from your ear or other persons when switching on. The loud audio signal can cause hearing defects.

Press the On/Off button 3 to **switch on** the detector. When the detector is turned on, all the indicators are displayed, and press the On/Off button again to turn On/Off the LEDs lights.

After switching on the detector, a medium volume and the "high" accuracy $\frac{1}{2}$ is always set.

To **switch off** the detector, continuously press the On/Off button 3 for about three seconds.

Notes: If no button on the detector is pressed and no laser beam reaches the reception area 6 for 30minutes, the detector automatically turns off. If no button on the detector is pressed and no laser beam reaches the reception area 6 for 10minutes, the LED light of the detector automatically turns off.

4. Selecting the Setting of the Centre Indicator

With button 4, you can specify with which accuracy the position of the laser beam is indicated as central on the reception area:

- "High" adjustment (indication $\frac{1}{2}$ in the area on the display)
- "Low" adjustment (indication $\frac{1}{4}$ in the area on the display)

5. Direction Indicators

The position of the laser beam in the reception area 6 is indicated:

-By the direction indicators "move downward" **d**, "move upward" **f** or centre **e** on the display 2 on the front and back of the detector.

-Optionally by the audio signal (see the following No. 6 "Audio Signal for Indication of the Laser Beam" operation instruction).

Detector too low: If the laser beam runs through the upper half of the reception area 6, then the direction indicator **f** on the display. If the audio signal is switched on, a signal sounds at high frequency.

Detector too high: If the laser beam runs through the lower half of the reception area 6, then the direction indicator **d** on the display. If the audio signal is switched on, a signal sounds at low frequency.

Move the detector downward in the arrow direction.

Detector in centre position: When the laser beam runs through the reception area 6 at the centre mark 7, the centre indicator **e** on the display. When the audio signal is switched on, a continuous signal sounds.

6. Audio Signal for Indication of the Laser Beam

The position of the laser beam on the reception area 6 can be indicated via an audio signal. After switching on the detector, the audio signal is always set to high volume. The volume level can be decreased or switched off.

To change the volume level or switch off the audio signal, push the Audio signal button 5 until the requested volume level is indicated on the display. At low volume level, the audio signal indicator **c** appears on the display with no bar $\langle \downarrow \rangle$.

At high volume level, the audio signal indicator **c** appears on the display with two bars $\langle \downarrow \downarrow \rangle$. When the audio signal is set to off, the indicator goes out. Independent of the audio signal setting, a short beep sounds at low volume level every time when a button is pressed on the detector.

7. Indicators and lighting of the back display

The indicators and lighting of the back display are switched On/Off simultaneously when the indicators and lighting of the front display are switched On/Off.

8. Working Advice

Marking

When the laser beam runs through the center of the reception area 6, its height can be marked at the centre mark 7 right and left on the detector.

When marking, take care to align the deflector exactly vertical (for horizontal laser beam), or horizontal

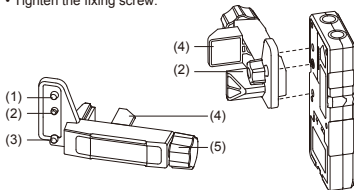
(for vertical laser beam) by making use of the bubble vials 8 & 9 .

Rod Clamp Installation

The Detector can be used in hand or with an optional clamp to install the detector to a measuring rod, pole or similar object.

To install the clamp on the detector (See figure):

- Guide the clamp towards the detector by using the alignment hole.
- Tighten the fixing screw.



- (1) Alignment Points-help secure and align rod clamp.
- (2) Captive Rod Clamp Screw-attaches to the back of detector.
- (3) Alignment Points-help secure and align rod clamp.
- (4) Reversible Face-slanted face for round and oval rods; flat face for rectangular and square rods.
- (5) Clamping Screw Knob-secures clamp to rods by moving the traveling jaw. Clockwise tightens; Counter clockwise loosens.

9. Technical Data

Laser Detector	PLR50
Measuring accuracy(High)	±1mm
Measuring accuracy(High)	±2mm
Working range	50m
Laser reception window width	80mm
Bubble vial accuracy	30/2mm
Operating time	≥24h
Auto power off(with no signal detected)	30min
Batteries	2 x 1.5V alkaline AA
Operating temperature	-10°C...+50°C
Storage temperature	-20°C...+70°C
Degree of protection	IP54

10. 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.

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.

11. WARRANTY

The Prexiso PLR50 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.

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