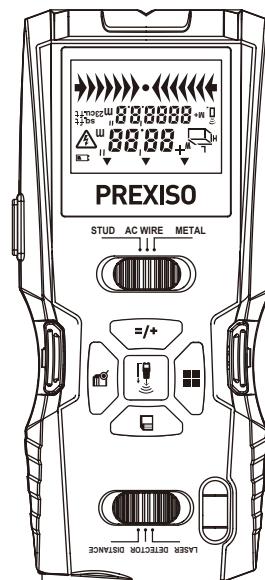
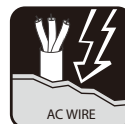
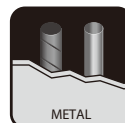


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PREXISO

- EN** MULTI PURPOSE DETECTOR **TR** ÇOK AMAÇLI DEDEKTÖR
DE MEHRZWECKDETEKTOR **DK** MULTIFUNKTIONSDETEKTOR
FR DÉTECTEUR MULTI-USAGES **FI** MONIKÄYTTÖILMAISIN
IT RIVELATORE MULTIUSO **NO** MULTIDETEKTOR
ES DETECTOR MULTIPROPÓSITO **PL** DETEKTOR WIELOFUNKCYJNY
NL MULTI-DOEL DETECTOR **SV** UNIVERSALDETEKTOR

1 LIMITED
YEAR WARRANTY



Prexiso AG
 Fabrikstrasse 1
 CH-8586 Erlen / Switzerland

www.prexiso-eu.com
 PD16SN-05REV01-2408

IMPORTANT: Read before Using

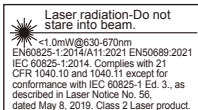
EN



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


SAFETY INSTRUCTION

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.



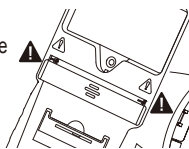
⚠ WARNING:

LASER RADIATION. Do not stare into beam. Class II laser product. Turn the laser beam on only when using this tool.

1. Keep the instrument dry.
2. Keep the instrument and battery out of reach of infants and children.
3. Never aim the beam at any person or an object other than the work piece.
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.
5. Do not assume there are no LIVE electrical wires in the wall.
6. Do not take actions that could be dangerous if the wall contains a LIVE electrical wire.
7. Always turn off the electrical power, gas, and water supplies before penetrating a surface.
8. Always turn off the power when working near electrical wires.
9. Failure to follow these instructions may result in electrical shock, fire, and/or serious injury or property damage.

⚠ ATTENTION!

Be careful when pressing the stud button. The sharp needles can cause injury. Do not use the stud button on stone or metal wall or low density plasterboard, but only on wallpaper and wooden surfaces.



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

LIMITS OF USE

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

Refer to section "Technical Specification", the device is designed for using in areas which is habitable for humans.

Do not use the product in explosion hazardous areas or in aggressive environments.

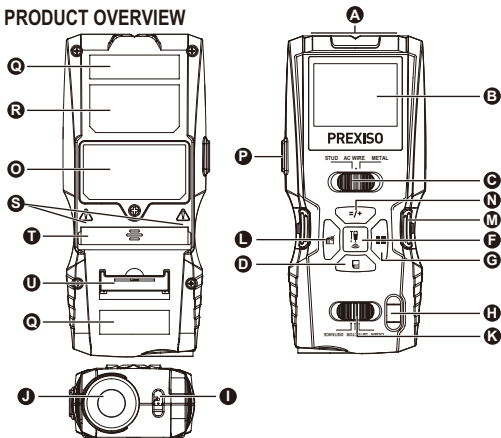
This detector does not always recognize all pipes and power cables. The following conditions can contribute to inaccurate results.

- ceramic floor tile
- carpeting and padding
- lath or low density plasterboard
- glass or any other dense material
- very thick walls
- weak battery
- deeply laid power cables or pipe work
- shielded cables
- thick walls with thin pipes or power cables
- walls paneled with metal sheets
- very moist conditions
- This detector is not suitable for detecting power cables in circuits.
- which are isolated from the mains power supply.
- through which direct current flows.
- which are used for computer or telecommunications systems.
- The pipe work made of plastic or similar materials cannot be detected by this instrument, only pipe work made of metal.

FUNCTION

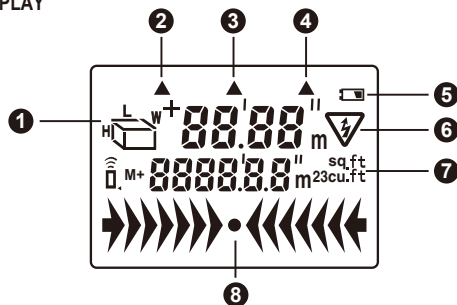
This Multi Purpose Detector is designed for locating of electrical cables, wood and metal objects, for easy operation of laser marking, and for the ultrasonic measuring of length, areas as well as volumes. The product is not intended for commercial use or for contractors. This product is for indoor use only.

PRODUCT OVERVIEW



PARTS	DESCRIPTION
A	Measurement point
B	LCD display
C	Material switch (STUD/AC WIRE/METAL)
D	Button - Memory
E/M	Stud button
F	Button - Measurement
G	Button - Shift distance measure function
H	Spirit level bubble vial
I	Laser beam exit
J	Ultrasound sender/ receiver
K	Function switch (LASER/ DETECTOR/ DISTANCE)
L	Button - Read memory
N	Button +/-
O	Battery compartment
P	Button - Push
Q	Contact pads for detection
R	Sensor area
S	Stud pins for wall application
T	Stud pins protector
U	Plastic flip for laser line position adjustment

DISPLAY

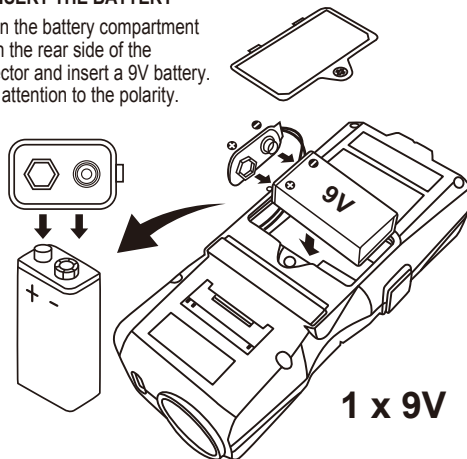


1. Distance measure, length, area, volume
- 2-4. Stud / AC wire/Metal Mode indication
5. Low battery indicator
6. Warnig of AC wire
7. Distance measure unit
8. Detecting symbol

OPERATION INSTRUCTION

1. INSERT THE BATTERY

Open the battery compartment **Q** on the rear side of the detector and insert a 9V battery. Pay attention to the polarity.



Change battery when battery symbol is flashing.

c. Now search in the same position for metal, if the detector did not find anything, the object being detected is wood. If it finds something, then the object being detected is metal. In this case, search again at a different position in the mode "STUD" and repeat steps a to c.

3. LASER MARKING

⚠ Attention!


This Multi Detector contains a Class 2 laser. NEVER direct the laser beam at people or animals. NEVER look directly into the laser. The laser can cause serious eye damage.

Always align the spirit level bubble vial in middle position when laser marking.

Be careful when pressing the stud button. The sharp needles can cause injury. Do not use the stud button on stone or metal wall or low density plasterboard, but only on wallpaper and wooden surfaces.

The laser marking can be used for the exactly horizontal positioning of pictures, shelves etc.

a. Place the function switch **K** () to "LASER". A laser line is projected.

b. Hold the detector horizontally against the wall and align it with the assistance of the spirit level bubble vial, the bubble vial must stand between the two marking lines ().

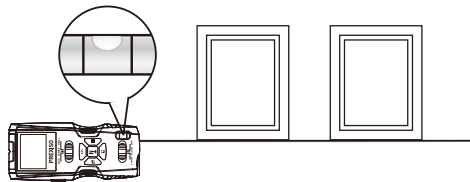
c. Slide the stud pin protector lower **I** to expose the two holes for the stud pins, and push both of the holding pins **E** and **M** buttons firmly downwards. The pins lightly drive themselves into the wall, so that the detector will not drop to the floor. The laser throws a horizontal line onto the wall.

Note:

The holding pins do not function on stone, metal walls or any hard surface.

The walls must have a soft upper surface.

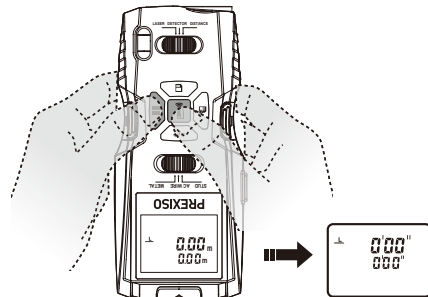
After the working finished, make sure to slide the stud pin protector to original position to prevent the pins pushing out accidentally.



4. ULTRASONIC MEASURING DISTANCES


a. Slide the function switch **K** () to "DISTANCE". The LCD display switches itself on.


⚠ Press and hold the button **H** (), then press the button **I** () and then release both two buttons simultaneously, the measurement units change between m and inch.



⚠ Note: Measurements start at the measurement point **A**! The ultrasonic measurement range lies between 2' (0.6m) and 50' (15m), please see Fig. 2. Should the measurement lie outside the measurement limit range, "Err" or an illogical number appear on the display.

b. Hold the instrument upright towards the wall to which you wish to measure the distance. It's better to hold the ultrasound sender/receiver at a right-angle to the wall.(see Fig. 2).

c. Press the button **I** () to take a measurement with data display on LCD.

When you hold the button **I** () pressed down and slowly move the appliance over the surface to be measured, the instrument continually measures the distances, data will be shown on the LCD display.

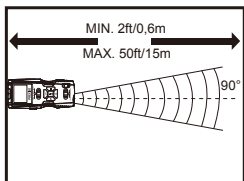


Fig.2

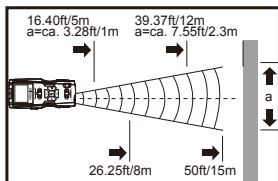


Fig.3

d. The further you are from the wall, the wider is the area that the Instrument must measure by ultrasound (see Fig. 3). Therefore, please take care that the Instrument is always directed at a right angle towards a level surface (see Fig. 2 and 4). Ensure that there are no objects positioned within the measurement area.

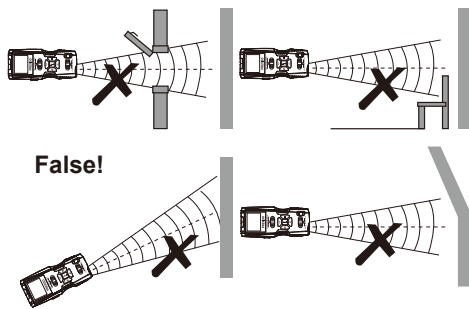








Fig.4

e. The display illumination glows during the measurement. If a button is not pressed within 15 seconds, the illumination extinguishes. After further 15 seconds, the LCD display switches off by itself. Please press the button , to reactivate the display and the illumination.





Add distances together

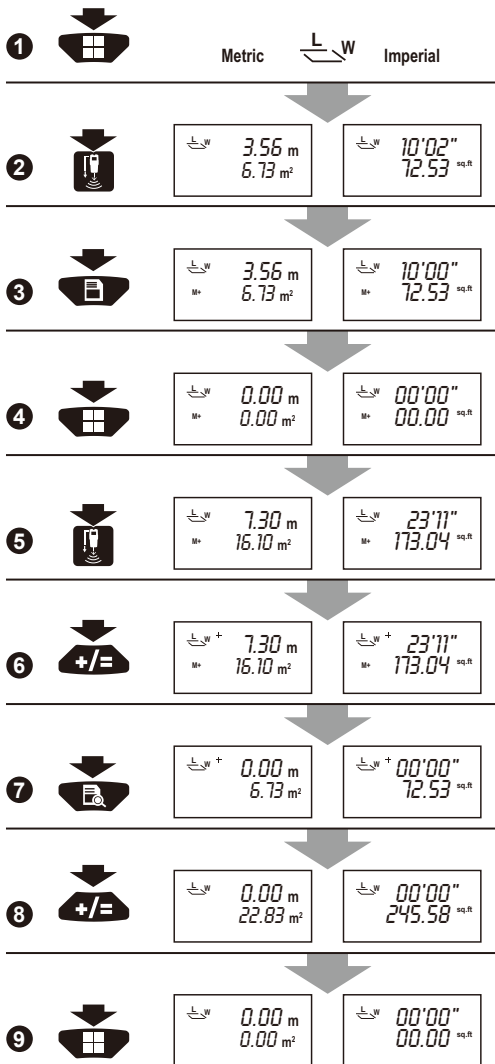
- Measure the first distance as described.
- Press the button $+/-$, "+" appears and the distance measured carries itself over to the lower line on the LCD display.
- Measure the next distance. The newly measured distance is shown in the upper line.
- Once again, press the button $+/-$, the new measurement is added to the old measurement in the lower line.
- Repeat steps b to d to add further measurements.
- When you wish to leave the addition mode, press the button , all values are erased.

5. ULTRASONIC MEASURING AREAS






- Slide the function switch  to "DISTANCE". The LCD display switches itself on.
- Press the button  once, "L" (Length) will show on the LCD display.
- Press the button , to measure the length, the upper line refers to the measured length with "W" (Width) starts to flash.
- Press the button  again to measure the width, the upper line refers to the measured width and with the lower line about the result of the area calculation.

Adding areas together





- Measure an area as described in the section "Measuring areas".
- Press the button , "M+" appears on the LCD display. The area measured data is being saved.
- Press the button , you can start the second area measurement.
- Measure the second area.
- Press the button $+/-$, "+" appears on the LCD display.
- Press the button , the lower line shows the result of the first measurement.
- Press the button $+/-$ again, both two measurements are added together being shown in the lower line.
- Repeat the steps b to g to add for further measurement values.
- When you wish to leave the addition mode, press the button , all values are erased.



6. ULTRASONIC MEASURING VOLUMES

- Slide the function switch **K**  to "DISTANCE". The LCD display switches itself on.
- Press the button  twice, "L" (Length) will show on the LCD display.
- Press the button , to measure the length, the upper line refers to the measured length with "W" (Width) starts to flash.
- Press the button  again, to measure the width, the upper line refers to the measured length with "H" (Height) starts to flash.
- Press the button  again, to measure the height, the upper line refers to the measured height and with the lower line about the result of the volume calculation.

Adding volumes together

- Measure a volume as described in the section "Measuring volumes".
- Press the button , "M+" appears on the LCD display. The volume measured data is being saved.
- Press the button , you can start the second volume measurement.
- Measure the second volume.
- Press the button \pm/\equiv , "+" appears on the LCD display.
- Press the button , the lower line shows the result of the first measurement.
- Press the button \pm/\equiv again, both two measurements are added together being shown in the lower line.
- Repeat the steps b to g to add for further measurement values.
- When you wish to leave the addition mode, press the button , all values are erased.

TECHNICAL SPECIFICATION

LOCATING CONCEALED OBJECTS

Detect Mode	Application	Max. Detecting Depth
STUD	Wood	1 in. (24mm)
METAL	Metal	3/2 in. (38mm)
AC WIRE	Live electric power cables	11/8 in. (35mm)

LASER MARKING

Laser class	Class II, maximum power out <1mw
-------------	----------------------------------

DISTANCE MEASURE

Measuring distance	2ft-50ft (0.6m – 15m)
Battery	9V DC, with low battery indicator
Wavelength	630-670nm
Optimum operation temperature range	28.4°F to 113°F (-2°C to 45°C)
Laser class	Class II, maximum power out <1mw
Auto shut off	30 seconds after last key stroke
Measurement point	Bottom of the instrument
Multiple measurements of length, area and volume	
Calculation and storage of measure data	

Operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	14°F to 140°F (-10°C to 60°C)
Dimensions (W x H x D)	6.50 x 3.23 x 1.77in. (152 x 75 x 45mm)
Net weight (w/o battery)	0.46 lb (207g)

DISPOSAL



The batteries must not be disposed 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.



WARRANTY

One-Year Limited Warranty. This product is warranted to the original purchaser from the original purchase date for one year 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, pls 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.

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EC-DECLARATION OF CONFORMITY

Herewith we,
Hangzhou GreatStar Industrial Co., Ltd
35# Jiujuan Rd, Shangcheng District, Hangzhou, Zhejiang, China

Declare that the following product complies with the appropriate basic safety and health requirements of the EC Directives (see item 4) based on its design and type, as brought into circulation by us.

This declaration relates exclusively to the product in the state in which it was placed on the market, and excludes components which are added and/or operations carried out subsequently by the final user.

- 1.Product: Multi-function detector
- 2.Model No.: DV-MD2015L, PD16SL, PD16SN,
- 3.Serial number: N/A
- 4.Applicable EC Directives: EMC Directive 2014/30/EU

Used Harmonized Standards: EN 61326-1:2013

5. Responsible for documentation: (Scruffs Workwear Ltd, Boundary Way, Lufton Trading Estate, Yeovil, Somerset, BA22 8HZ, Carol Huang, support@scruffs.com)

6. Additional used EC Directives: N/A
7. Date/place/Name/Authorized signature
2024-5-8/ Hangzhou / Xu Dong Ling

Xu Dong Ling

8. Title of Signatory:
Engineer

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www.greatstartools.com

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