PREXISO

www.prexiso-eu.com

Prexiso AG
Fabrikstrasse 1
CH-8586 Erlen / Switzerland

www.prexiso-eu.com

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IMPORTANT: EN
Read before Using

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 instructed dry.
2. Keep the instrument and battery out of reach of infants and children.
3. When the symbol "⧗" appears,the batteries are low and should be replaced. Failure to replace battery connections are correct when replacing batteries. If you are not using the instrument for a long time, remove the battery.

AC WIRE WARNING:

AC WIRE WARNING detection works all the time in Stud scan, Deep scan, and scan modes. When any AC voltage is detected, the AC detection warning indicator icon will appear in the display. Use extreme caution under these circumstances or whenever live AC wiring is present.

DO NOT ASSUME THESE ARE NO LIVE ELECTRICAL WIRES IN THE WALL. DO NOT TAKE ACTIONS THAT COULD BE DANGEROUS IF THE WALL CONTAINS A LIVE ELECTRICAL WIRE. ALWAYS TURN OFF THE ELECTRICAL POWER, GAS, AND WATER SUPPLIES BEFORE PENETRATING A SURFACE. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN ELECTRICAL SHOCK, FIRE, AND/OR SERIOUS INJURY OR PROPERTY DAMAGE.
ALWAYS TURN OFF POWER WHEN WORKING NEAR ELECTRICAL WIRES.

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, tools or 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 explosive, hazardous areas or in aggressive environments.

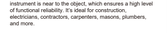
Do not expose the instrument to extreme temperatures or variations in Temperature. Extreme and variations in temperature can impact the display and accuracy of the instrument.
The detector's ability to detect objects is affected by the proximity of other equipment that produce strong magnetic or electromagnetic fields, and by moisture, metallic building materials, foil-laminated insulation materials and/or conductive materials.
The detector's ability to detect wood substructures (studs) is also affected by inconsistency on the thickness of the surface material, such as plaster and lath.
It is possible that there may be metal, wood or wiring or something else, such as plastic pipes, beneath the scanned surface that is not detected.

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 unauthorized personnel.

FUNCTION

This wall detector is intended for detection of metals (ferrous and non-ferrous metals, such as pipes, metal studs and rebar), wood studs, live AC wiring, and voids, ceilings and floors.
It is with clear LCD display and audio indication when the instrument is near to the object, which ensures a high level of functional reliability. It's ideal for construction, electricians, contractors, carpenters, masons, plumbers, and more.



1. Ferrous Metal Indicator / Non-Ferrous Metal Indicator
2. Wood/Metal/Live Wire Indicator
3. Battery Indicator
4. Metal Detection Center Distance Indicator
5. Center Indicator
6. Signal Strength Indicator

OPERATION INSTRUCTION

1. INSERT THE BATTERY
Open the battery compartment and insert a 9V battery. Pay attention to the polarity.

⚠ Change battery when battery symbol is flashing.

PARTS	DESCRIPTION
A	Red Signal Indicator
B	Yellow Signal Indicator
C	Green Signal Indicator
D	LCD Display
E	ON/OFF Button
F	Wood Detection Button
G	Metal /Live Wire Detection Button
H	Contact Pad 1
I	Sensor Area
J	Label Area
K	Contact Pad 2
L	Battery Compartment

DISPLAY

2. SWITCHING ON/OFF

⚠ **Attention!**
- Protect the detection instrument against moisture and direct sunlight.
- Before switching the detection instrument on, make sure that there is no moisture around the sensor area. If required, wipe the detector dry using a cloth.
- In case of large variations in temperature, allow the detection instrument to adjust to the ambient temperature before switching it on.
- The usage of transmitting systems, such as WLAN, transmitter masts, microwave ovens in the close area, which can influence the detecting function.

Press ⓪ to turn on/off the device.

The detector is designed to enter the function mode of detecting metal when being switched on.

If none of the buttons are pressed for approx. 5 minutes, the detector switches off automatically in order to extend the service life of the battery.

The detector automatically enter with Audio Signal on the display. The audio signal can be switched on/off by pressing Wood Detection Button [F] and Metal /Live Wire Detection Button [G] simultaneously for two seconds together, the Audio Signal will disappear. The Audio Signal will appear again after same operation of two buttons above mentioned.

3. CALIBRATION

⚠ It is important to wait for the finishing of calibration before moving the detector.

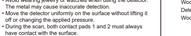
Press ⓪ to turn on the device.

The detector is designed to enter the function mode of detecting metal when being switched on. After a short while, the Green Signal Indicator [C] lights up, the detector is being self-calibrated and ready for operation.

If the Signal Strength Indicator [L] continuously shows an amplitude even though there is no metal object in the vicinity of the sensor, the detector should be calibrated manually:
- Remove all metal and strong magnetic field interference objects in the vicinity of the detector (including wristwatches or mobile phones) and place it in the air. Pay attention that avoid bright light or direct sunlight from shining on the area ⅓ without detecting area.
- Press and hold Metal /Live Wire Detection Button [G] when Signal Indicator [L] lights up and then let go sharp amplitude of Signal Strength Indicator, better reducing to 0%, then release the button. When the calibration process is successful, the detector will start over after a few seconds and then enter the operation.

4. SCANNING DIFFERENT SURFACES

⚠ **NOTICE!**
- Avoid wearing jewelry or watches when using the detector. The metal may cause inaccurate detection.
- Move the detector uniformly on the surface without lifting it off or changing the applied pressure.
- During the scan, both contact pads 1 and 2 must always have contact with the surface.
- Do not touch the sensor area of the hand holding the detector do not touch the surface being scanned, which could interfere with the tool's ability to effectively detect items below the surface.
- Do not touch the surface being scanned with your other hand or any other part of your body, because the moisture may affect the scanning.
- Always measure BLOWLY to achieve maximum sensitivity.
- It is important to wait for the finishing of calibration before moving the detector.



Wallpaper: This wall detector functions normally on walls covered with wallpaper or fabric, unless the materials are metallic foil, contain metallic fibers, or are still wet after application. Wait several days for the material to dry before attempting to scan.
Plastered walls: May take one week or longer to dry after plastering.
Lath & plaster: Due to the uneven thickness of the plaster, it is difficult for this wall detector to locate studs or Wood Detection Mode. Change to Metal Detection Mode to locate the nail heads holding wood lath to the studs. If the plaster has metal mesh reinforcement, the wall detector may be unable to detect through that material.
Extremely textured walls or acoustic ceilings: When scanning a ceiling or wall with uneven surface, place the cardboard on the surface to be scanned and scan over the cardboard in Deep Wood Detection mode. If irregular scanning results are received, switch to Metal Detection Mode to locate nails or drywall screws that line up in a vertically where a stud or joist is positioned.
Wood flooring, subflooring, or gypsum drywall over plywood sheathing: Use Deep Wood Detection Mode and move the detector slowly. The Signal Strength Indicator may only display 1 or 2 bars when the tool locates a stud through thick surfaces.

5. MEASURING IN WOOD SCAN MODE

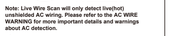
⚠ It is important to wait for the finishing of calibration before moving the detector.
This detectors is designed with two Wood Detection Modes.
A. Short Press Wood Detection Button [F] to select Exact Wood Mode (34 in / 19mm) or long Press Wood Detection Button [F] for two seconds to select Deep Wood Detection Mode(¼ in / 32mm).

B. Place the device against the wall.
C. Wait for the finishing of self-calibration before moving the detector. The Green Signal Indicator [C] lights up after automatic calibration.
D. Move the device uniformly and slowly across the surface.

LCD INDICATIONS & DETECTING
a. Slowly slide the device across surface.
b. When the device is getting closer to the wood stud, the Signal Strength Indicator, Yellow Signal Indicator and Edge indicator will illuminate, indicating location of the stud edge.
c. Continue sliding the device. When the center of a stud is located, the full bars will be on the Signal Strength Indicator (100% show up), Red Signal Indicator lights up and the CENTER indication will all show and the buzzer will sound, mark this position.
d. Repeat the procedures a-c several times or from the other side, for more accurate location of wood studs.

6. MEASURING IN METAL SCAN MODE

⚠ It is important to wait for the finishing of calibration before moving the detector.
The detector is designed to enter the function mode of detecting metal when being switched on.
A. Hold the device in the air. (This will ensure that it calibrates away from any metal objects and gets highest sensitivity to metal.)
B. After a short while, the Green Signal Indicator [C] lights up, the detector is being self-calibrated and ready for operation.
C. If the Signal Strength Indicator f continuously shows an amplitude even though there is no metal object in the vicinity of the detector, the detector should be calibrated manually as per Self-CALIBRATION procedures.
D. Move the device uniformly and slowly across the surface. When the device is getting closer to the metal object, the Yellow Signal Indicator will illuminate, meanwhile, the display will show the symbol of Ferrous and Non-Ferrous metals, and the Metal Detection Center Distance Indicator will flash with values (the distance from the center of detection area to the object being measured, just for reference, not very accurate value). The unit setting both inch and cm can be switched by pressing ON/OFF Button [E] and Metal /Live Wire Detection Button [G] simultaneously for two seconds together.



F. Continue sliding the device. When the center of a metal object is located, the full bars will be on the Signal Strength Indicator(100% show up), Red Signal Indicator lights up and the CENTER indication will all show and the buzzer will sound, mark this position.

G. Repeat the procedure A-F several times or from the other side, for more accurate location of metal objects.
Note: When the measured object is a standard sized-reinforced copper pipe with a diameter of 19mm, the Metal Detection Center Distance Indicator value accuracy is the best.

7. MEASURING IN LIVE WIRE SCAN MODE

A. Press hard Metal /Live Wire Detection Button [G] to select LIVE WIRE SCAN MODE.
B. Hold the device in the air. (This will ensure that it calibrates away from any wire and get highest sensitivity to live wire.)
C. After a short while, the Green Signal Indicator [C] lights up, the detector is being self-calibrated and ready for operation.
D. **Find the LIVE WIRE at highest sensitivity:** Place the device flat against the wall and move it uniformly and slowly across the surface. When a live wire is detected, an alternating current symbol will appear on the display, and the Signal Strength Indicator will rise up as the detector is getting closer to the AC cable. Mark the point where you get the highest indications(100% show up and a steady beep will sound). Continue in the same direction until Signal Strength Indicator reduce. Reverse direction and mark the spot where the Signal Strength Indicator peak from the reversed direction.
E. Repeat the procedure a-g several times or from the other side, for more accurate location of LIVE WIRE.

Note: Live Wire Scan will only detect live(hot) unshielded AC wiring. Please refer to the AC WIRE WARNING for more important details and warnings about AC detection.

⚠ When detecting in wood or metal mode, with alternating current flashes, it means that there is LIVE WIRE nearby, besides, the Red Signal Indicator flashes and gives an alarm and emits a rapid beep.

⚠ Warning: Use extreme caution under these circumstances or whenever live AC wire is present. Turn off the power, gas and water before drilling.

TECHNICAL SPECIFICATION

Measuring depth	4-3/4" (120 mm)
Wood detection (studs)	2" (66 mm)
Live wires 110V / 230V (voltage applied)	2" (66 mm)
Wood substructures (studs)	0.1"(2.5mm)
	0.1"(2.5mm)
Automatic switch-off time	Approx. 5 min
Power supply	1x9V battery
Dimension	1.18x2.75x6.3 in (3x70x160 mm)
Weight (battery not included)	0.27lbs (123g)
Operating temperature	32°F ~ 104°F (0°C ~ 40°C)
Storage temperature	-4°F ~ 158°F (-20°C~70°C)
Operating lifetime	Max. 5 hours

DISPOSAL

⚠ CAUTION

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

Two-Year Limited Warranty. This product is warranted to the original purchaser from the original purchase date for two years subject to the conditions and exclusions 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 or components that have been replaced or repaired by unauthorized Prexiso personnel or failure to install and operate equipment according to the guidelines put forth in the instructions;(3) Equipment used for gain or for rental purposes, damage resulting from shipping (claims must be filed with the 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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