

Prexiso 5-in-1 Stud Finder

PREXISO 5-in-1 Stud Finder with Laser Level & Ultrasound Distance Measure User Manual

Model: 5-in-1 Stud Finder

INTRODUCTION

The PREXISO 5-in-1 Multi-Purpose Detector is a versatile tool designed to assist with various home improvement and construction tasks. It combines the functions of a stud finder, metal detector, AC wire detector, laser level, and ultrasonic distance measurer. This manual provides detailed instructions for safe and effective use of the device.

SAFETY INFORMATION

- **Laser Safety:** This product is a Class II laser with an output power less than 1mW. Avoid direct eye exposure to the laser beam.
- **Sharp Needles:** The auxiliary laser marking stud button features sharp needles. Exercise caution when pressing this button to prevent injury. These needles are intended for use on wallpaper and wooden surfaces only. Do not use on stone, metal walls, or low-density plasterboard.
- **AC Wire Detection:** Always be aware of the potential presence of live AC wires behind walls. The device will provide an audible and visual warning when AC wires are detected. Take appropriate precautions to avoid electrical hazards.
- **Environmental Factors:** Increased moisture on wall surfaces can affect the device's conductivity and may lead to inaccurate readings. Ensure surfaces are dry for optimal performance.
- **Ultrasonic Measurement Accuracy:** The ultrasonic distance measure function is intended for rough reference only and may not be as accurate as a laser distance measure.

PRODUCT OVERVIEW

Familiarize yourself with the components of your PREXISO 5-in-1 Multi-Purpose Detector:

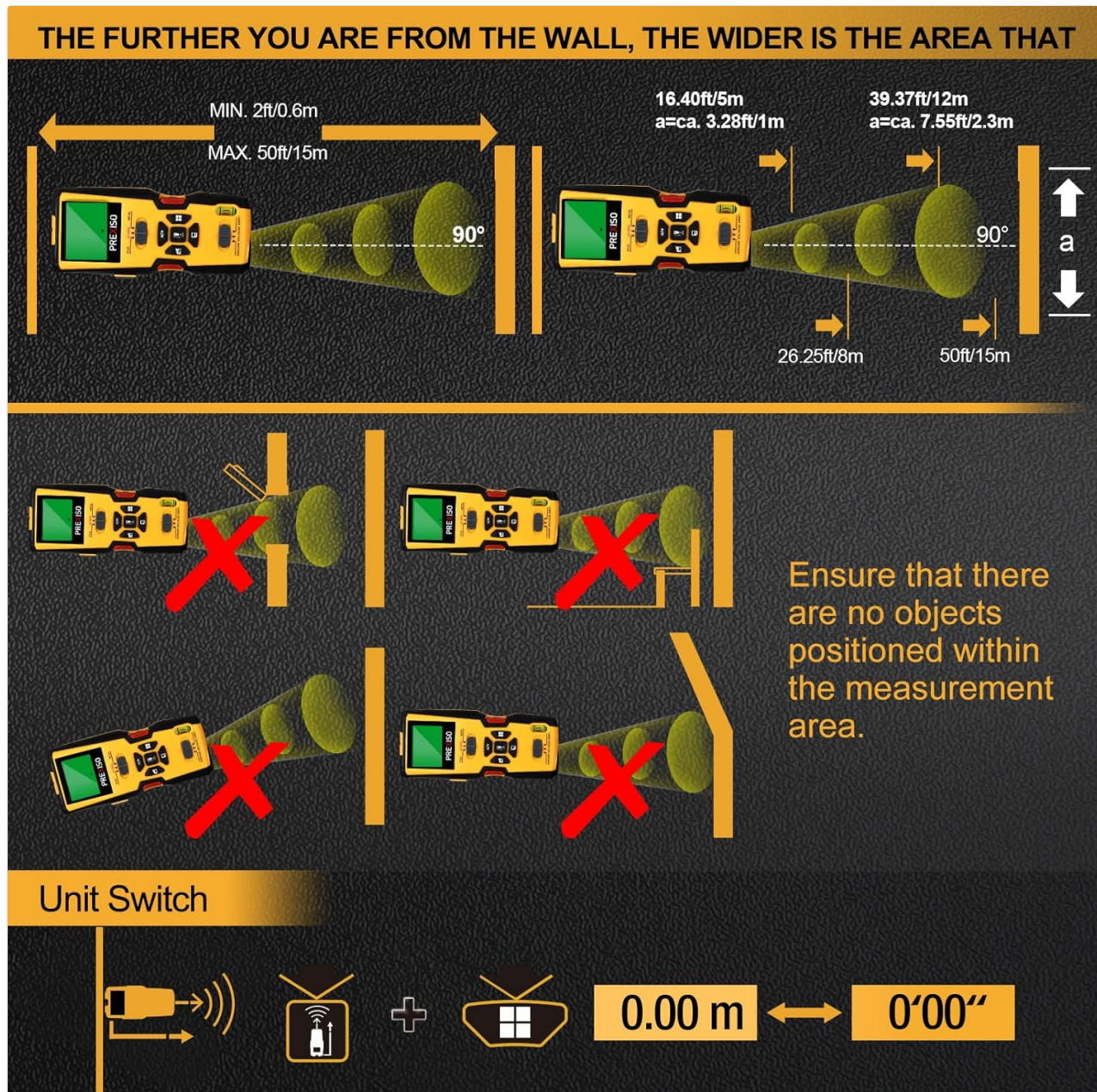


Figure 1: PREXISO 5-in-1 Stud Finder Component Diagram

- **LCD Display:** Shows detection results, measurements, and mode indicators.
- **Material Switch (STUD/AC WIRE/METAL):** Selects the detection mode.
- **Function Switch (LASER/DETECTOR/DISTANCE):** Selects the primary function.
- **Stud Button:** Activates the stud marking needles (use with caution).
- **Ultrasound Measure Buttons:** For distance, area, volume, memory, and addition calculations.
- **Spirit Level Bubble Vial:** For horizontal leveling.
- **Laser Beam Exit:** Emits the laser line for marking.
- **Ultrasound Sender/Receiver:** For ultrasonic distance measurements.
- **Contact Pads:** Located on the back for detection.

- **Battery Compartment:** Holds the 9V battery.

SETUP

Battery Installation

1. Locate the battery compartment on the back of the device.
2. Open the battery cover.
3. Insert one 9V battery, ensuring correct polarity (+/-).
4. Close the battery cover securely.

Your browser does not support the video tag.

Video: PREXISO 5-in-1 Stud Finder with Laser Level Distance Measure - This video provides a visual overview of the product's features and basic operation, including battery installation and mode selection.

OPERATING INSTRUCTIONS

1. Calibration

Before each use, especially for stud and metal detection, the device requires automatic calibration for maximum reliability and accuracy.

1. Turn on the stud finder.
2. Place the device flat against the wall surface where you intend to scan.
3. Press and hold the scan button (usually on the side) until calibration is complete. The display will indicate when it's ready.
4. Keep the button pressed down during the entire scanning operation.

2. Stud, Metal, and AC Wire Detection

This device offers three scanning modes to locate concealed objects:

LOCATING CONCEALED OBJECTS

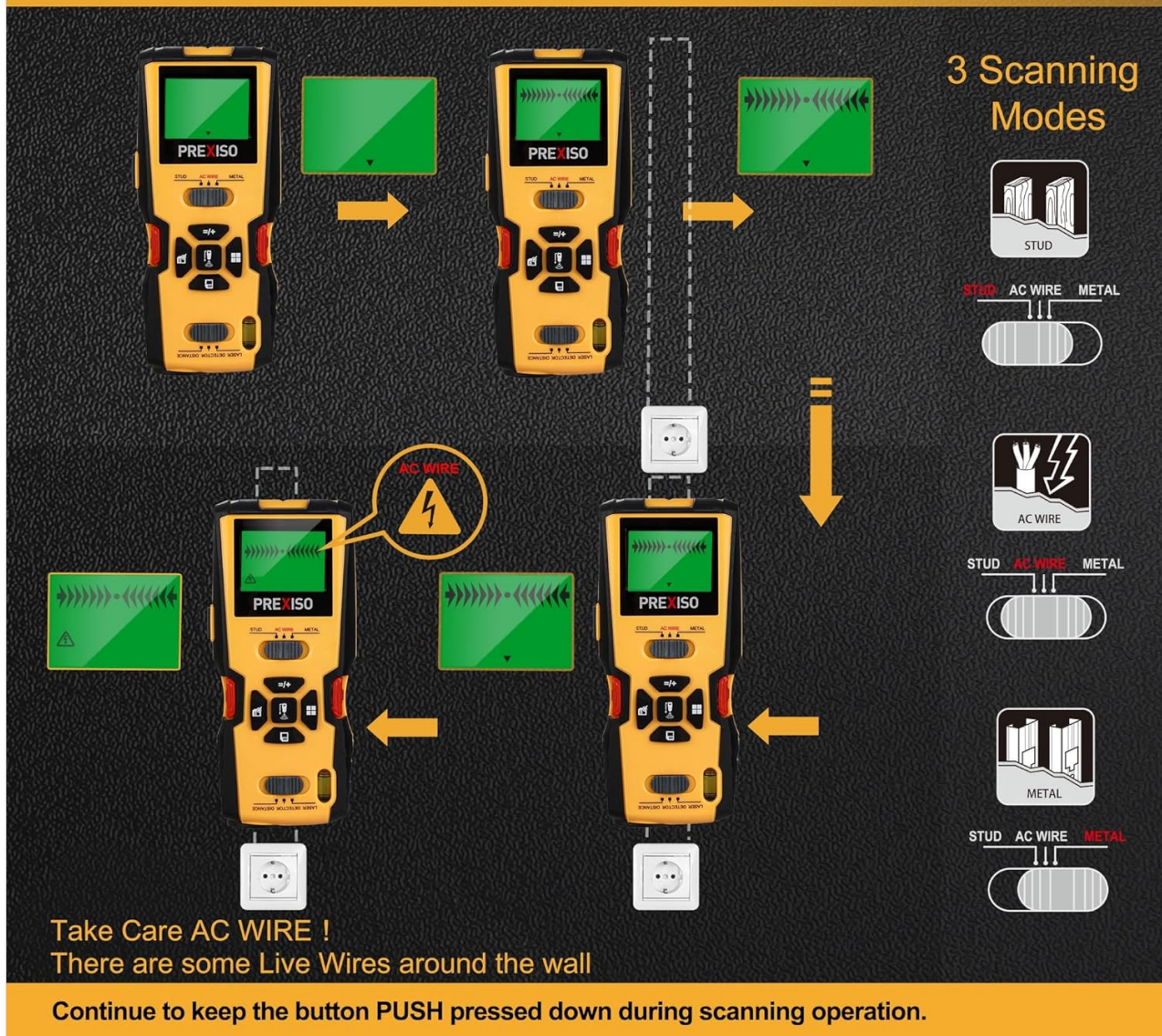


Figure 2: Locating Concealed Objects

1. **Select Mode:** Use the Material Switch to select between STUD, AC WIRE, or METAL mode.
2. **Calibrate:** Perform calibration as described above.
3. **Scan:** While holding the scan button, slowly slide the device horizontally across the wall surface.
4. **Detection:** When an object is detected, the LCD screen will display arrows indicating its location, and an audible beep will sound. The center of the object is indicated by a solid dot on the screen.
5. **Marking:** Use a pencil to mark the detected location.

Detection Depths:

- Wood Studs: Up to 1 inch (24mm) deep in drywall.
- Metal Objects: Up to 1-1/2 inches (38mm) deep.
- Live AC Wires: Up to 1-3/8 inches (35mm) deep.

5 -IN- 1 MULTI PURPOSE DETECTOR

- Detect wood studs **UP TO** 1 in./24mm
- Detect metal objects **UP TO** 1 ½ in./38mm
- Detect live wiring **UP TO** 1 3/8 in./35mm
- Laser marking
- Ultrasonic measure **UP TO** 50ft/15m
(Distances / Areas / Volumes)



This detector is for use on dry interior walls only.

Figure 3: 5-in-1 Multi-Purpose Detector Features

3. Laser Marking

The device can project a horizontal laser line for accurate leveling, useful for hanging pictures or shelves.



Figure 4: Laser Marking in Use

1. **Select Mode:** Slide the Function Switch to the LASER position.
2. **Position Device:** Place the device against the wall at the desired height. Use the built-in bubble vial to ensure the device is perfectly horizontal.
3. **Adjust Laser:** If needed, use the plastic flip on the back to adjust the laser line position for uneven walls.
4. **Mark:** The laser line will project across the wall, providing a guide for marking.

Caution: The stud button with needles is for auxiliary laser marking on wallpaper and wooden surfaces only. Do not use on stone or metal walls, or low-density plasterboard. Ensure the stud pins protector is engaged when not using the needles.

ATTENTION !

THE SHARP NEEDLES CAN CAUSE INJURY



CONTACT PADS

Reduce tool wear and
always contact with the surface

WARNING:
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.



CAUTION – SHARP NEEDLES



SHARP NEEDLES PROTECTOR

Slide lower to expose, and
recover for safety

Stud button applied to wallpaper and wooden surfaces;
Not applicable stone or metal wall or low density plasterboard.

Figure 5: Sharp Needles Warning and Protector

4. Ultrasonic Distance Measurement

This function allows for measuring distances, areas, and volumes using ultrasound.

ULTRASONIC DISTANCE MEASURE



Addition Measurement



NOTE: Ultrasound distance measure is only for rough measure reference, not accurate as laser distance measure!

Figure 6: Ultrasonic Distance Measure Functions

1. **Select Mode:** Slide the Function Switch to the DISTANCE position.
2. **Measure Distance:** Point the ultrasound sender/receiver towards the target surface. Press the measurement button. The distance will be displayed on the LCD.
3. **Area/Volume Measurement:** Follow the on-screen prompts to take multiple distance measurements to calculate area or volume.
4. **Addition Measurement:** The device supports adding multiple measurements.
5. **Unit Switch:** Use the appropriate button to switch between metric (m) and imperial (ft/in) units.

Note: Ensure there are no objects positioned within the measurement area that could obstruct the ultrasonic waves. This function is for rough measurements and may not be as precise as laser distance measurement.

MAINTENANCE

- Keep the device clean and dry. Wipe with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Remove the battery if the device will not be used for an extended period to prevent leakage.
- Store the device in its protective carrying case in a cool, dry place.
- Regularly check the contact pads for wear and ensure they are clean for accurate detection.

TROUBLESHOOTING

- **Inaccurate Readings:** Ensure the wall surface is dry. High moisture levels can interfere with electromagnetic fields and cause false readings. Re-calibrate the device on a clear section of the wall.
- **No Detection:** Verify that the correct mode (STUD, AC WIRE, or METAL) is selected. Ensure the scan button is continuously pressed during scanning.
- **Ultrasonic Measurement Errors:** Confirm there are no obstructions between the device and the target surface. The ultrasonic function works best on reflective surfaces.
- **Laser Not Visible/Level:** Check the battery level. Ensure the device is placed on a stable, level surface or adjusted using the plastic flip for leveling.

SPECIFICATIONS

Feature	Specification
Brand	Prexiso
Model Number	5-in-1 Stud Finder
Color	Yellow
Power Source	Battery Powered (1x 9V battery required)
Material	Plastic
Item Weight	13.6 ounces
Package Dimensions	9.18 x 4.09 x 2.24 inches
Stud Scan Depth	Up to 1 inch
Metal Scan Depth	Up to 1-1/2 inches
AC Wire Scan Depth	Up to 1-3/8 inches
Ultrasonic Distance Measure Range	Up to 50ft/15m
Laser Class	Class II, < 1mW

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the product packaging or contact PREXISO customer service directly. Keep your purchase receipt as proof of purchase.

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