

[Manuals.plus](#) /

› [FOLAI](#) /

› FOLAI Stud Finder Wall Scanner TH Instruction Manual

FOLAI TH

FOLAI Stud Finder Wall Scanner TH Instruction Manual

Model: TH

1. INTRODUCTION

The FOLAI Stud Finder Wall Scanner TH is an advanced electronic detection tool designed to accurately locate various hidden elements behind walls, floors, and ceilings. This device features an intelligent microprocessor chip for precise detection of wood studs, metal pipes, AC wires, and rebar. It is suitable for professionals, homeowners, and DIY enthusiasts, enhancing safety and efficiency in construction and home improvement tasks.



Image: Front view of the FOLAI Stud Finder Wall Scanner TH.

2. SAFETY INFORMATION

Always prioritize safety when using the stud finder. This device includes a crucial **WireWarning Detection** feature that alerts you to the presence of live, unshielded electrical AC wires up to 2 inches (51mm) deep. This warning is active in StudScan, DeepScan, and MetalScan modes to help prevent accidental drilling or hammering into electrical wiring or water pipes.

- Before drilling or cutting, always scan the area thoroughly.
- If a live AC wire is detected, exercise extreme caution. Consider consulting a qualified electrician.
- Do not rely solely on the stud finder; use other available information and safety practices.

Use Method



1. Press the power button and place the device flat on the scanning surface. Switch to desired mode.



2. Press the Scan Button (on the left side) until you hear a short beep sound. (Calibration)



3. Press the Scan Button again and move it in a stable way.



4. When the object is found, the device will beep continually and peck type will appear on the LCD display. Mark it with pencil.

Image: The stud finder indicating a live AC wire, highlighting the importance of safety before drilling.

3. PRODUCT OVERVIEW

The FOLAI Stud Finder Wall Scanner TH is equipped with an intelligent microprocessor chip for accurate and reliable detection. It features a clear HD LCD display and an audio alarm to indicate detected objects and their precise locations.

Key Features:

- **5 Scanning Modes:** Dedicated modes for various materials and depths.
- **HD LCD Display:** Provides clear visual feedback on detected objects, including edge and center indications.
- **Audio Alarm:** Emits a beep sound when an object is detected, indicating proximity to the target.
- **WireWarning Detection:** Continuously monitors for live AC wires in most scanning modes.
- **Accurate Detection:** Locates wood studs, metal pipes, AC wires, and rebar.



Image: Illustration of the intelligent microprocessor chip for accurate detection.

5 in 1 Scan Modes

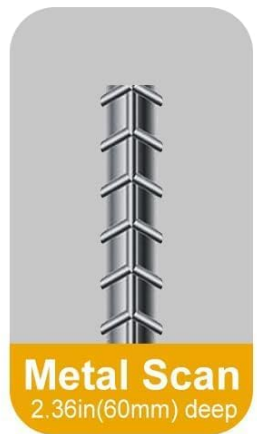
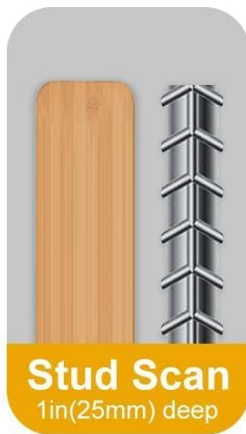
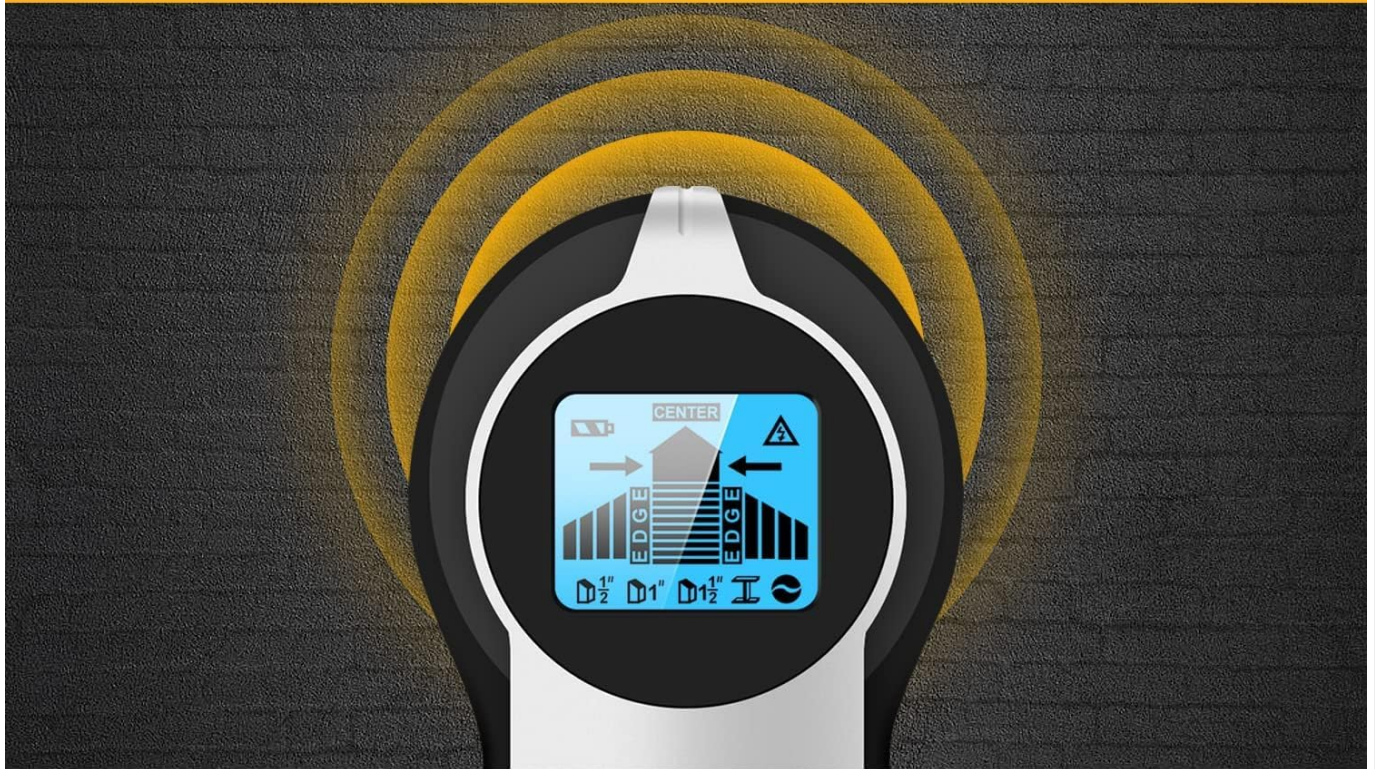


Image: Close-up of the LCD display showing stud edge and center detection.

4. SETUP

4.1 Battery Installation

The FOLAI Stud Finder Wall Scanner TH typically operates on a 9V battery (not always included). To install the battery, open the battery compartment cover located on the back of the device. Insert a fresh 9V battery, ensuring correct polarity (+/-), then close the cover securely.

4.2 Calibration

Before each use, or when moving to a new scanning area, it is essential to calibrate the device for accurate readings. Calibration ensures the scanner adapts to the wall's density and material.

1. Press the power button to turn on the device.
2. Place the device flat against the wall surface where you intend to scan. Ensure there are no known studs, metal, or wires in the immediate area.

3. Press and hold the 'Scan' or 'Mode' button (refer to device markings) until you hear a short beep sound. The LCD display will show a calibration sequence.
4. Release the button once calibration is complete. The device is now ready for use.

Video: Demonstrates the easy operation and auto-calibration process of the stud finder.

5. OPERATING INSTRUCTIONS

The stud finder offers five distinct scanning modes to detect various materials at different depths. Always calibrate the device before scanning a new area.

General Scanning Steps:

1. **Power On & Select Mode:** Press the power button. Use the 'Mode' button to cycle through the available scanning modes (StudScan, DeepScan, MetalScan, AC Scan).
2. **Calibrate:** Place the device flat against the wall and perform calibration as described in Section 4.2.
3. **Scan:** Slowly slide the device horizontally across the surface, keeping it flat against the wall. Do not lift or tilt the device during scanning.
4. **Detect & Mark:** The LCD display will show indicators (e.g., bars, arrows, 'EDGE', 'CENTER') and an audio alarm will sound when an object is detected. Mark the location of the object's edges and center as indicated.



Let the drill no longer be dangerous

✓ Stud Edge

✓ Wooden Beams

✓ AC Wire

✓ Stud Center

✓ Metal Pipes/Rebar

✓ Joist

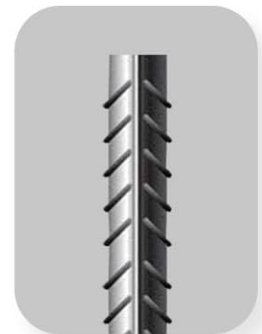
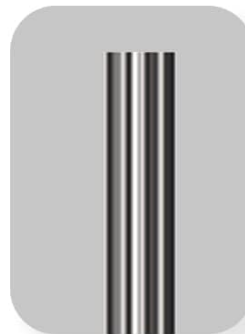


Image: Visual guide demonstrating the four-step use method for the stud finder.

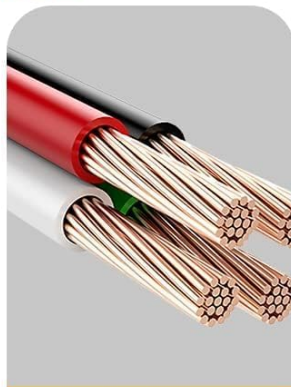
5.1 Scanning Modes:

- **StudScan Mode:** Detects wood studs through one layer of drywall up to 0.5 inches (12mm) and 1 inch (25mm) thick.
- **DeepScan Mode:** A higher sensitivity mode for detecting wood studs through two layers of drywall up to 1.5 inches (38mm) deep. Use this mode when extra layers of wallboard are present.
- **MetalScan Mode:** Locates metal objects such as pipes, rebar, and metal studs up to 2.36 inches (60mm) deep.
- **AC Scan Mode:** Detects live, unshielded AC wires up to 2 inches (51mm) deep. The WireWarning indicator is always active in StudScan, DeepScan, and MetalScan Modes for added safety.

Intelligent Microprocessor Chip-Accurate Detection



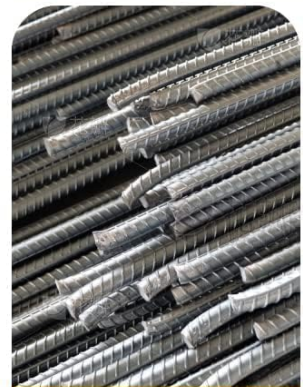
Metal pipes



AC wires



Wooden beams



Rebars

Image: Diagram detailing the five scanning modes and their respective detection depths.

Easy to Read Digital LCD Display & Audio Alarm

Pinpoint the Exact the Center and Edge of Studs Stud Edge, Stud Center



Image: The stud finder indicating various hidden elements like studs, beams, pipes, and wires, promoting safer drilling.

6. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the stud finder in a cool, dry place away from direct sunlight and extreme temperatures. Remove the battery if the device will not be used for an extended period to prevent leakage.
- **Battery Replacement:** Replace the battery when the low battery indicator appears on the LCD display to ensure optimal performance.

7. TROUBLESHOOTING

- **Inaccurate Readings:** Ensure the device is properly calibrated on a clear section of the wall before scanning. Avoid scanning over recently painted or damp surfaces, as moisture can affect readings.
- **No Detection:** Check if the battery is properly installed and has sufficient charge. Ensure the correct scanning mode is

selected for the material you are trying to detect. Scan slowly and consistently.

- **Constant Alarm/False Positives:** This may occur if the wall surface is uneven, contains excessive moisture, or has dense materials close to the surface. Try recalibrating in a different spot or switching to a deeper scan mode if applicable.
- **WireWarning Always On:** If the WireWarning indicator is constantly active, it suggests the presence of live AC wiring throughout the scanned area. Exercise extreme caution and consider professional assistance.

8. SPECIFICATIONS

Feature	Specification
Model Number	TH
StudScan Depth	0.5 in (12mm), 1 in (25mm), 1.5 in (38mm)
MetalScan Depth	2.36 in (60mm)
AC Scan Depth	2 in (51mm)
Display	HD LCD Display
Power Source	9V Battery (not included)
Package Dimensions	6.93 x 3.5 x 1.73 inches
Item Weight	7.8 ounces
Manufacturer	FOLAI

9. WARRANTY AND SUPPORT

FOLAI products are designed for reliability and performance. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. For specific warranty details, please refer to the product packaging or contact FOLAI customer support.

Customer Support:

If you encounter any issues or have questions regarding your FOLAI Stud Finder Wall Scanner TH, please contact our customer support team. Contact information can typically be found on the product packaging or the official FOLAI website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question