Eujgoov HW-710

Eujgoov HW-710 Wall Scanner Stud Finder Sensor User Manual

Model: HW-710

1. Introduction

The Eujgoov HW-710 Wall Scanner is a multi-functional detection tool designed to quickly locate wood, metal, and live AC wires within walls, floors, and ceilings. This device is suitable for use on various surfaces including slats, wallpaper, wood floors, soundproof ceilings, and painted walls. It helps prevent hazards during tasks such as installing TV cabinets or garage racks by identifying hidden elements.

Key Features:

- **3 Stud Scanning Modes:** Detects wood or metal studs at depths of 1/2 inch, 1 inch, and 1 1/2 inches.
- **Metal Detection:** Identifies magnetic metals up to 80 mm deep and non-magnetic metals up to 60 mm deep.
- **AC Wire Detection:** Detects live unshielded AC wires up to 51 mm deep for enhanced safety.
- **User-Friendly Design:** Features a bright green backlit LCD for clear readability and a low voltage indicator.
- **Automatic Power Off:** Shuts off after 3 minutes of inactivity to conserve battery life.

2. Product Overview and Display Functions

Familiarize yourself with the components and display indicators of your HW-710 Wall Scanner.



Image 1: Front view of the Eujgoov HW-710 Wall Scanner with labels indicating various display elements and buttons. These include the Mark pointing indicator, Low battery icon, AC warning icon, Magnetic & non-magnetic icon, Metal depth indication, Metal mode indication, Center indication, 1/2 inch scan mode, 1 inch scan mode, 1 1/2 inch scan mode, Stud mode icon, Signal %, Arrow direction, AC mode, Scan Button, On-Off/Stud mode button, AC mode button, and Metal mode button. The battery compartment is located on the back of the unit.

The device features a clear LCD display that provides visual feedback on detected objects, depth, and mode. Buttons allow for easy switching between scanning modes.



Image 2: Overview of the Eujgoov HW-710 Wall Scanner's capabilities, highlighting its 3 stud scanning modes, deep metal detection up to 80 mm, live AC wire detection up to 51 mm, and user-friendly backlit LCD display for clear low-light visibility.

3. Specifications

Parameter	Value
Model Number	HW-710
Power Source	1 x 9V Battery 6F22 (not included)
Working Current	10mA
Automatic Shutdown Time	3 Minutes (after inactivity)
Wood Stud Detection Depth	Up to 1 1/2 inches (38 mm)

Magnetic Metal Detection Depth	Up to 80 mm
Non-Magnetic Metal Detection Depth	Up to 60 mm
Live AC Wire Detection Depth	Up to 51 mm
Unit Count	1 Count



Image 3: Dimensions of the Eujgoov HW-710 Wall Scanner. The device measures approximately 15 cm (5.9 inches) in height, 6.7 cm (2.6 inches) in width, and 3 cm (1.2 inches) in thickness.

4. Setup

To prepare your HW-710 Wall Scanner for use, follow these steps:

1. **Battery Installation:** Locate the battery compartment on the back of the unit. Open the compartment cover.
2. Insert one 9V 6F22 battery (not included), ensuring correct polarity (+/-).

3. Close the battery compartment cover securely.

Note: The device will not function without a properly installed battery. A low voltage indicator on the display will alert you when the battery needs replacement.

5. Operating Instructions

The HW-710 Wall Scanner offers multiple scanning modes for different detection needs.

5.1 General Operation

1. Press the On-Off/Stud mode button to power on the device.
2. Select the desired scanning mode (Stud, AC, or Metal) using the corresponding buttons.
3. Place the scanner flat against the wall surface.
4. Press and hold the Scan Button.
5. Slowly slide the scanner horizontally across the surface. The display will provide visual and audible indications when an object is detected.

5.2 Stud Scanning Modes

The device features three stud scanning modes to detect wood or metal studs at varying depths:

- **1/2 inch mode:** Detects studs up to 13 mm (0.5 inches) deep.
- **1 inch mode:** Detects studs up to 25 mm (1 inch) deep.
- **1 1/2 inch mode:** Detects studs up to 38 mm (1.5 inches) deep.



Image 4: Visual representation of the Eujgoov HW-710 Wall Scanner's detection depths for different modes. Stud Mode detects up to 1/2 inch (13 mm), 1 inch (25 mm), and 1 1/2 inches (38 mm) deep. Metal Mode detects up to 3.2 inches (80 mm) deep. AC Mode detects up to 2 inches (51 mm) deep.

5.3 Metal Detection

Use the Metal mode to locate magnetic metals (e.g., rebar) up to 80 mm deep and non-magnetic metals (e.g., copper pipes) up to 60 mm deep. This mode is useful for identifying hidden pipes and fixtures.

5.4 AC Wire Detection

The AC mode detects live unshielded AC wires up to 51 mm deep. Always exercise caution when working near electrical wiring. The AC warning icon will illuminate on the display when live AC wires are detected.

5.5 Interpreting the Display

The bright green backlit LCD provides clear indications:

- **Center Indication:** An icon or percentage will indicate when the scanner is directly over the center of a detected object.

- **Signal Bar:** Displays the strength of the detected signal, increasing as you approach the object.
- **Arrow Direction:** Guides you towards the center of the object.
- **Low Battery Icon:** Indicates when the 9V battery needs to be replaced.
- **AC Warning Icon:** Flashes when live AC wires are detected.
- **Metal Depth Indication:** Provides an approximate depth for detected metal objects.



Image 5: Illustration demonstrating how to interpret the Eujgoov HW-710 Wall Scanner's display. The left image shows the scanner approaching a stud, with the display indicating a signal. The right image shows the scanner centered over a stud, with the display clearly indicating "CENTER" and a red dot, signifying the stud's center has been located.

6. Maintenance

To ensure the longevity and optimal performance of your HW-710 Wall Scanner:

- **Battery Replacement:** Replace the 9V battery when the low voltage indicator appears on the display.
- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.

- **Storage:** Store the scanner in a dry, dust-free environment when not in use. Remove the battery if storing for extended periods.
- **Automatic Power Off:** The device automatically shuts off after 3 minutes of inactivity to conserve battery life. This feature helps extend the device's lifespan and reduces the frequency of battery changes.

7. Troubleshooting

If you encounter issues with your HW-710 Wall Scanner, consider the following:

- **Device not powering on:** Check if the 9V battery is correctly installed and has sufficient charge. Replace the battery if necessary.
- **Inaccurate readings:** Ensure the scanner is held flat against the surface and moved slowly. Calibrate the device by pressing the scan button while holding it in the air away from any objects before placing it on the wall.
- **No detection:** Verify that the correct scanning mode (Stud, AC, or Metal) is selected for the object you are trying to detect.
- **Interference:** Strong electromagnetic fields or moisture in walls can affect detection accuracy. Try scanning in a different area or under different conditions.

8. Package Contents

Upon opening your Eujgoov HW-710 Wall Scanner package, you should find the following items:

- 1 x Eujgoov HW-710 Wall Scanner
- 1 x User Manual (this document)
- 1 x Velvet Bag

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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.

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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.

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