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GOTMEET NF-5105

GOTMEET Stud Finder NF-5105 Instruction Manual

Rechargeable Wall Scanner for Wood, Metal Studs, and AC Wires

1. Important Safety Information

Please read and understand all instructions before operating the GOTMEET Stud Finder NF-5105. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- Always assume that live AC wires are present in the wall. Exercise extreme caution when scanning near electrical outlets, switches, or fixtures.
- Do not rely solely on the stud finder to locate live AC wires. Always turn off power to the area you are working on at the circuit breaker before drilling or cutting into walls.
- This device is designed for indoor use on common wall materials. Performance may vary on irregular or very thick surfaces.
- Keep the device dry. Do not expose it to moisture or extreme temperatures.
- Do not attempt to open or modify the device. There are no user-serviceable parts inside.

2. Product Overview

The GOTMEET Stud Finder NF-5105 is a multifunctional wall scanner designed to accurately detect wood studs, metal objects (including rebar, copper pipes), and live AC wires behind various wall surfaces. It features an upgraded intelligent chip for enhanced accuracy, an HD LCD display, and a voice indicator for clear feedback.





Image: Front view of the GOTMEET Stud Finder NF-5105, showing its display and control buttons.

Key Features:

- **Multifunctional Detection:** Locates wood studs, metal objects, and live AC wires.
- **High Accuracy:** Equipped with advanced sensors for precise and consistent results.
- **HD LCD Display:** Provides clear visual indication of detected objects, signal strength, and battery level.
- **Voice Indicator:** Offers audible alerts for detection.
- **Rechargeable Battery:** Built-in 390mAh Lithium Polymer battery with Type-C charging.
- **Easy to Use:** Simple operation with no calibration required.

3. Components and Controls

Familiarize yourself with the various parts and controls of your stud finder.



Image: Diagram illustrating the key components of the stud finder, including the center marking hole, scan areas, display, and buttons.

- **Center Marking Hole:** Used to precisely mark the location of detected objects.
- **Live AC Wire Scan Area:** Top sensor area for detecting live electrical wires.
- **Metal/Wood Scan Area:** Main sensor area for detecting studs and metal.
- **Wall Smart Sensor:** Integrated sensor for accurate detection.
- **Type-C Charging Port:** Located on the side for recharging the internal battery.
- **Wood Detection / Silent Mode Button:** Toggles wood detection mode and sound alerts.
- **Power Button:** Turns the device on and off.
- **Metal / AC Wire Detection Button:** Toggles between metal and AC wire detection modes.
- **HD LCD Display:** Shows detection mode, signal strength, distance, object type, AC wire indicator, battery level, and voice indicator.

4. Setup

4.1 Charging the Device

The GOTMEET Stud Finder NF-5105 is equipped with a built-in 390mAh rechargeable Lithium Polymer battery. Before first use, or if the battery indicator on the display shows low power, charge the device.

1. Locate the Type-C charging port on the side of the device.

2. Connect the provided Type-C USB cable to the charging port and the other end to a standard USB power adapter (not included) or a computer USB port.
3. The battery indicator on the display will show charging status. A full charge typically takes a few hours and provides up to 5 hours of continuous operation.



Image: The stud finder connected to a Type-C charging cable, illustrating the charging process.

4.2 Powering On/Off

- To power on: Press and hold the Power Button (①) until the display illuminates.
- To power off: Press and hold the Power Button (①) until the display turns off.

4.3 No Calibration Required

This device features automatic calibration. Simply press and hold the desired mode button to begin scanning. No manual calibration steps are necessary.

5. Operating Instructions

For optimal results, ensure the wall surface is dry and free from excessive dust or debris. Hold the device flat against the wall and move it slowly.



Image: The device display showing various indicators such as voice, battery, AC wire, signal strength, horizontal angle, distance, center positioning, and object type (Metal Fe).

5.1 General Scanning Procedure

1. Turn on the device using the Power Button.
2. Select the desired detection mode (Wood, Metal, or AC Wire) by pressing the corresponding button.
3. Place the device flat against the wall surface. Ensure your hand is not covering the sensor area.
4. Slowly slide the device horizontally across the surface. The display will show signal strength and object indicators.
5. When an object is detected, the signal strength will increase, and the display will indicate the object's type and proximity. The voice indicator will also provide an audible alert.
6. To find the center of an object, continue scanning past the peak signal, then reverse direction. The device will indicate the center with a specific icon and sound.



Image: A user utilizing the center marking hole on the stud finder to precisely mark the location of a detected object on a wall.

5.2 Wood Scan Mode

This mode is used to detect wood studs, light steel joists, nails, and conduits.

- Press the Wood Detection button.
- Scan the wall slowly. The device can detect wood objects up to 1.18 inches (30 mm) deep.
- The display will show a 'STUD' icon and signal strength when a wood object is found.



Image: The stud finder in 'STUD' mode, indicating the detection of a wood stud within the wall.

5.3 Metal Scan Mode

This mode detects magnetic metals (e.g., steel bars, iron) and non-magnetic metals (e.g., copper pipes, wires).

- Press the Metal/AC Wire Detection button until 'METAL' mode is active.
- Scan the wall slowly. The device can detect magnetic metals up to 3.94 inches (100 mm) and non-magnetic metals up to 3.15 inches (80 mm) deep.
- The display will show a 'METAL' icon and signal strength. It may also indicate 'Fe' for ferrous metals.



Image: The stud finder in 'METAL' mode, showing detection of metal objects within a wall.

5.4 AC Wire Scan Mode

This mode is used to detect live, unshielded electrical wiring.

- Press the Metal/AC Wire Detection button until 'AC' mode is active.
- Scan the wall slowly. The device can detect live AC wires up to 2 inches (50 mm) deep.

- The display will show an 'AC' icon and a lightning bolt symbol when live wires are detected.
- **Important:** The device will always detect and indicate live AC wires in all modes for safety.



Image: The stud finder in 'AC' mode, indicating the presence of live electrical wiring within a wall.

5.5 Silent Mode

To toggle the voice indicator on or off, briefly press the Wood Detection / Silent Mode button.

6. Maintenance

6.1 Cleaning

Wipe the device with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the device is completely dry before storage or next use.

6.2 Storage

Store the device in a cool, dry place, away from direct sunlight and extreme temperatures. Keep it out of reach of children.

6.3 Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Recharge the device regularly, especially if it has not been used for an extended period.

7. Troubleshooting

If you encounter issues with your stud finder, refer to the following common problems and solutions:

- **Inaccurate Readings:**
  - Ensure the device is held flat against the wall and moved slowly.
  - Avoid scanning over wet paint, wallpaper, or highly textured surfaces, which can affect accuracy.
  - Check for external interference from strong electromagnetic fields.
- **Device Not Powering On:**

- Ensure the battery is sufficiently charged. Connect the device to a Type-C charger.
- Press and hold the Power Button firmly for a few seconds.

- **No Detection:**
  - Verify that the correct detection mode is selected for the object you are searching for.
  - Ensure the device is in direct contact with the wall surface.
  - The object may be deeper than the maximum detection depth for the selected mode.

If problems persist, please contact customer support.

8. Specifications

Feature	Specification
Brand	GOTMEET
Model	NF-5105
Wood Scan Depth	Up to 1.18 inches (30 mm)
Metal Scan Depth (Magnetic)	Up to 3.94 inches (100 mm)
Metal Scan Depth (Non-magnetic)	Up to 3.15 inches (80 mm)
AC Wire Scan Depth	Up to 2 inches (50 mm)
Battery Type	Built-in 390mAh Lithium Polymer
Battery Life	Up to 5 hours (continuous use)
Charging Port	Type-C USB
Display	2.0 inch HD LCD
Item Weight	4 ounces
Material	Plastic
UPC	762744782559



Image: Visual representation of the maximum detection depths for magnetic metals, non-magnetic metals, AC wires, and wood rails.

9. Customer Support

GOTMEET is committed to customer satisfaction. If you have any questions, concerns, or require assistance with your Stud Finder NF-5105, please do not hesitate to contact our customer support team. We are available 24/7 to assist you.

For support, please refer to the contact information provided with your product packaging or visit the official GOTMEET website.

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