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› ACEGMET WD09 Wall Scanner User Manual

ACEGMET WD09

ACEGMET WD09 Wall Scanner User Manual

This manual provides instructions for the safe and effective operation of your ACEGMET WD09 Wall Scanner.

PRODUCT OVERVIEW

The ACEGMET WD09 is a versatile 4-in-1 wall scanner designed to detect wood studs, live AC wires, magnetic metals, and non-magnetic metals behind various wall surfaces. It features an intuitive LCD display, automatic calibration, and distinct audio alerts for precise object location.



Image description: Front view of the ACEGMET WD09 Wall Scanner, showing its blue and black casing, LCD screen displaying "CENTER" and "0 3/4 in", and control buttons for power and sound.

KEY FEATURES

- Four detection modes: Wood, AC Wire, Magnetic Metal, and Non-magnetic Metal.
- Maximum detection depths: Wood (20mm / 0.8 inches), AC Wire (50mm / 2.0 inches), Non-magnetic Metal (50mm / 2.0 inches), Magnetic Metal (80mm / 3.2 inches).
- Three-color indicator light system (Green, Yellow, Red) for clear detection status.
- High-definition LCD display showing detection mode, signal strength, battery level, distance, and alarm prompts.
- Backlight function for enhanced visibility in low-light conditions.
- IP65 rating for water and dust resistance, suitable for various environments.

- Large area sensor for improved detection accuracy.
- Ergonomic design with upper and lower fluff pads for stable and smooth scanning.

GETTING STARTED

Battery Installation

The device requires three AAA batteries. Locate the battery compartment cover on the back of the unit. Open the cover, insert the batteries according to the polarity markings (+/-), and securely close the cover.

Power On/Off

Press the red power button (marked with a circle and vertical line) located on the front of the device to turn the unit on or off.

OPERATION INSTRUCTIONS

Auto-Calibration

Before each use, or when switching detection modes, place the scanner flat against the wall in an area known to be free of objects. The device will automatically calibrate. Wait for the calibration process to complete before moving the scanner. This ensures accurate readings.

Selecting a Detection Mode

The ACEGMET WD09 offers four distinct scanning modes. Press the mode selection button (typically depicted with icons representing wood, AC, and metal) to cycle through the available modes:



Image description: The ACEGMET WD09 Wall Scanner displaying its LCD screen alongside an illustration of the four scan modes: Wood Scan (0.8in/20mm), AC Scan (2.0in/50mm), Non-magnetic Metal Scan (2.0in/50mm), and Magnetic Metal Scan (3.2in/80mm).

- **Wood Scan:** Detects wood studs up to 20mm (0.8 inches) deep.
- **AC Scan:** Detects live AC wires up to 50mm (2.0 inches) deep.
- **Non-magnetic Metal Scan:** Detects non-magnetic metals up to 50mm (2.0 inches) deep.
- **Magnetic Metal Scan:** Detects magnetic metals (e.g., rebar) up to 80mm (3.2 inches) deep.

Scanning Technique

Place the scanner flat against the wall surface. Slowly slide the device horizontally across the area you wish to scan. Maintain constant contact and even pressure throughout the scanning process.

Precise positioning makes decoration drilling safer



Image description: A person using the ACEGMET WD09 Wall Scanner on a wall while holding a drill, demonstrating how the scanner aids in precise positioning for drilling.

Interpreting Results: LCD Display and Indicators

The LCD screen provides visual feedback, including the detected object type, signal strength, and approximate distance. The device also uses a three-color indicator light system and an audible alarm.

THREE-COLOR INDICATOR



01
There is no metal in the sensing area, and the detector glows green



02
Metal objects near the sensing area, the detector lights up yellow



03
When close to metal objects and the signal increases, the detector lights up red

Audio alarm

The indicator light changed from green to red and sounded an alarm



Image description: An illustration showing the ACEGMET WD09 Wall Scanner and its three-color indicator system: Green (no metal), Yellow (metal objects near), Red (close to metal, signal increases). An audio alarm icon is also shown.

- **Green Light:** Indicates that no object has been detected in the sensing area.
- **Yellow Light:** Indicates that an object is detected and you are gradually approaching it.
- **Red Light:** Indicates you are very close to or directly over the object. The screen will display "CENTER" when the object's center is located.

An audible alarm will also sound, changing in pitch or frequency as you get closer to the detected object, providing additional feedback.

In metal detection mode

When the detector gradually approaches the object, the indicator light turns from yellow to red, and an alarm is accompanied

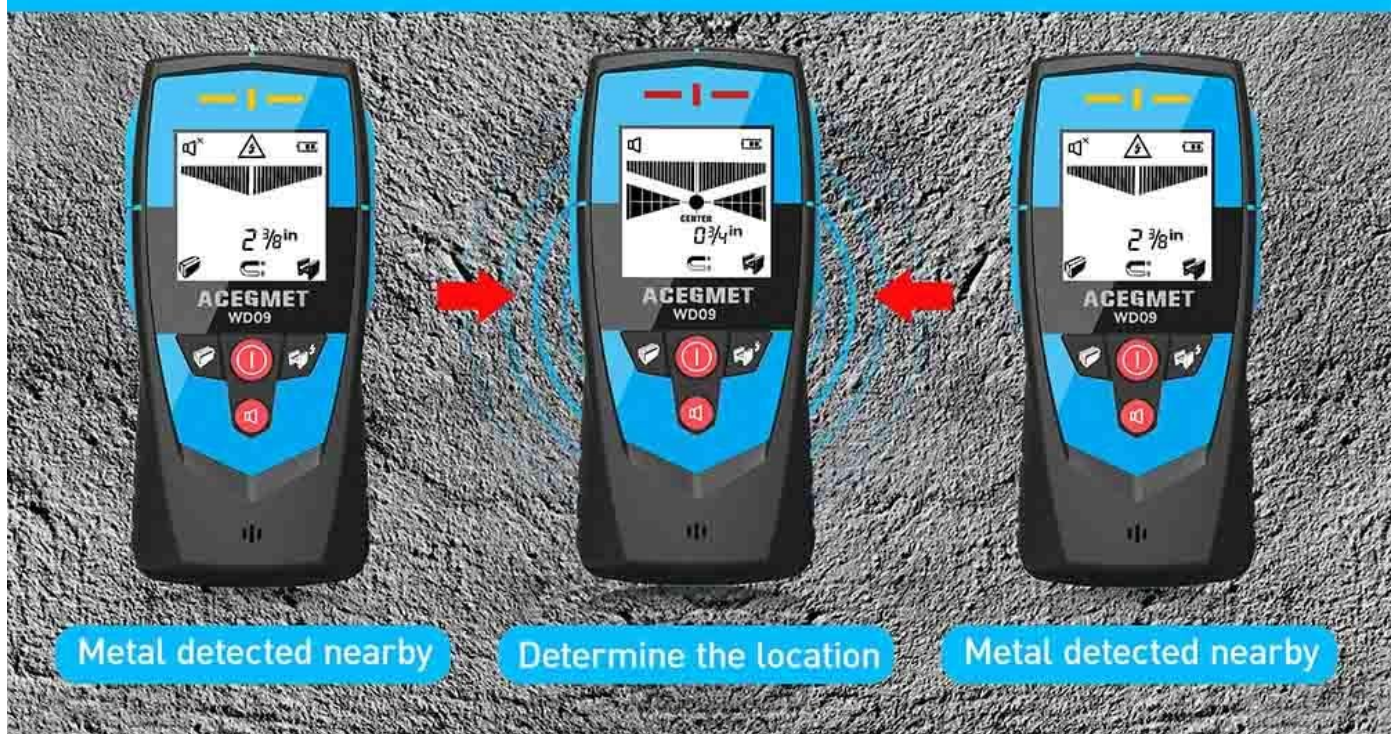


Image description: A sequence of three images showing the ACEGMET WD09 Wall Scanner detecting a metal object. The first shows "Metal detected nearby" with a yellow indicator, the second shows "Determine the location" with "CENTER" on the screen and a red indicator, and the third shows "Metal detected nearby" again with a yellow indicator as the scanner moves past the center.

CARE AND MAINTENANCE

- Keep the device clean and dry. Wipe the exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Store the scanner in a cool, dry place, away from direct sunlight and extreme temperatures.
- Remove the batteries if the device will not be used for an extended period to prevent potential battery leakage.
- While the device is rated IP65 for water and dust resistance, it is not designed for submersion in water.

LCD Bright Big Screen

Make the content of subtitles clearer



IP65

No challenges
in harsh
environments

Image description: The ACEGMET WD09 Wall Scanner with its bright LCD screen, showing water droplets on the device, emphasizing its IP65 waterproof and dustproof rating for use in various environments.

TROUBLESHOOTING

- **Inaccurate Readings:** Ensure proper auto-calibration by placing the device flat on the wall in an object-free area before scanning. Avoid scanning over wet paint, wallpaper, or highly textured surfaces that may interfere with detection.
- **No Power:** Check battery installation and replace with fresh AAA batteries if needed. Ensure the power button is pressed firmly.
- **Intermittent Detection:** Ensure constant, firm contact with the wall surface. Scan slowly and consistently. Rapid movements can lead to missed detections or inaccurate readings.

SPECIFICATIONS

Feature	Detail
Screen	LCD screen
Automatic Shutdown Time	300 seconds
Backlight Time	10 seconds
Live AC Detection Frequency	50/60Hz AC
Depth Measurement Unit	in.(mm)
Working Temperature	0-50°C
Storage Temperature	-20 to 70°C
Battery	3 x AAA
Wood Detection Depth	20mm (0.8in)
Wire Detection Depth	50mm (2in)
Non-magnetic Metal Detection Depth	50mm (2in)
Magnetic Metal Detection Depth	80mm (3.2in)
Material	ABS
Model Number	WD09
Manufacturer	ACEGMET

WARRANTY AND SUPPORT

The ACEGMET WD09 Wall Scanner is backed by an 18-month warranty. For any quality issues, technical assistance, or support inquiries, please contact ACEGMET customer service through the official channels provided at the point of purchase or on the manufacturer's website.

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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

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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