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DEWALT DW0150

DEWALT DW0150 1-1/2IN Stud Finder Instruction Manual

Model: DW0150 | Brand: DEWALT

1. INTRODUCTION

The DEWALT DW0150 1-1/2IN Stud Finder is designed to accurately locate studs and live AC wiring behind various wall materials. Its user-friendly design and clear indicators make it an essential tool for home improvement projects, ensuring safe and precise drilling or mounting.



Image: The DEWALT DW0150 1-1/2IN Stud Finder, a compact yellow and black device.

2. SAFETY INFORMATION

Always exercise caution when working with power tools and around electrical wiring. The stud finder provides indications for live AC wiring, but it is crucial to verify power is off before drilling or cutting into walls. Do not rely solely on the stud finder for safety. Always follow local electrical codes and safety guidelines.

3. PRODUCT OVERVIEW

The DEWALT DW0150 features a durable blend material construction in a multi-color (yellow and black) design. It is lightweight at 7.68 ounces and has a thin profile for comfortable handling. The device is capable of detecting studs up to 1-1/2 inches deep and includes live AC wire detection for enhanced safety.

- **Detection Depth:** Up to 1-1/2 inches for wood and metal studs.
- **AC Detection:** Identifies live AC wiring.
- **Marking Hole:** Integrated hole for precise marking of stud centers.

- **Felt Tabs:** Soft felt tabs on the back prevent marking or scratching wall surfaces during use.



Image: Front view of the DEWALT DW0150 Stud Finder, highlighting its ergonomic design.

4. SETUP

4.1 Battery Installation

The DEWALT DW0150 requires two (2) AAA batteries. To install or replace batteries:

1. Locate the battery compartment cover on the back of the unit.
2. Slide the cover open.
3. Insert two fresh AAA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

5. OPERATING INSTRUCTIONS

5.1 Calibration and Power On

To power on and calibrate the stud finder:

1. Place the unit flat against the wall surface where you intend to scan.
2. Press and hold the power/scan button. The green power indicator light will illuminate.
3. Keep the button pressed and hold the unit still against the wall until calibration is complete (usually indicated

by a steady green light or a short beep).



Image: A hand holding the stud finder against a wall, demonstrating the initial placement and button press for calibration.

5.2 Stud Detection

Once calibrated, continue holding the power/scan button and slowly slide the unit horizontally across the wall surface. Maintain constant contact with the wall.

- As the unit approaches a stud, indicator lights will progressively illuminate.
- When the unit is centered over a stud, the central red LED will illuminate, and a long beep will sound.
- The DW0150 is designed to detect studs through various materials including drywall, paneling, and plaster.



Image: The stud finder being slid across a wall, with indicator lights showing detection.

5.3 AC Wire Detection

The stud finder continuously scans for live AC wiring. If live AC wiring is detected:

- The dedicated AC indicator light (lightning bolt symbol) will illuminate red.
- The unit may emit rapid, erratic beeps, indicating the presence of live electrical current.
- Exercise extreme caution when AC wiring is detected. Always turn off power at the circuit breaker before proceeding with any work.



Image: Close-up of the stud finder's indicator lights, showing the AC detection warning.

5.4 Marking Stud Centers

For precise marking of stud centers:

1. Once the central red LED illuminates and the long beep sounds, indicating the stud center, keep the unit stationary.
2. Use a pencil or marker through the integrated marking hole at the top of the unit to accurately mark the stud's center.



Image: A hand using a pencil through the marking hole of the stud finder to indicate the stud's center.

5.5 Official Product Video: DEWALT Stud Finders Reviewed

Your browser does not support the video tag.

Video: An official product video reviewing DEWALT stud finders, including the DW0150, demonstrating its features and use.

5.6 Official Product Video: Reliable & Affordable! DeWalt DW0150 Stud Finder

Your browser does not support the video tag.

Video: An official product video highlighting the reliability and affordability of the DEWALT DW0150 Stud Finder, showcasing its practical applications.

6. MAINTENANCE

To ensure the longevity and accuracy of your DEWALT DW0150 Stud Finder:

- Keep the unit clean and free from dust and debris.
- Store the unit in a safe place to prevent accidental drops, as impacts can affect its calibration and functionality.
- Replace batteries promptly when the low battery indicator appears to maintain optimal performance.

7. TROUBLESHOOTING

- **Inaccurate Readings:** Ensure the unit is held flat against the wall and calibrated correctly before each scan. Avoid lifting the unit off the wall during scanning.
- **No Detection:** Check battery levels. Ensure the wall surface is dry and free from excessive moisture.
- **Erratic AC Detection:** This indicates the presence of live AC wiring. Proceed with extreme caution and verify power is off before any work.
- **Unit Malfunctions After Drop:** Electronic stud finders can be sensitive to impacts. If the unit was dropped and is no longer functioning correctly, it may require repair or replacement.

8. SPECIFICATIONS

Feature	Specification
Model Name	DW0150
Brand Name	DEWALT
Item Weight	7.68 ounces
Item Dimensions (LxWxH)	10.3 x 9.1 x 1.2 inches
Color	Multi
Material	Blend
Power Source	2 x AAA Batteries (not included)
Detection Depth	Up to 1-1/2 inches
Included Components	DW OPP NO2 1-1/2IN STUD (Unit itself)

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product at the time of purchase or visit the official DEWALT website. Keep your purchase receipt as proof of purchase for any warranty claims.