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- › [Franklin Sensors](#) /
- › [Franklin Sensors ProSensor M210 Stud Finder Instruction Manual](#)

Franklin Sensors M210

Franklin Sensors ProSensor M210 Stud Finder Instruction Manual

Model: M210 | Brand: Franklin Sensors

INTRODUCTION

The Franklin Sensors ProSensor M210 is an advanced stud finder designed for precise detection of wood and metal studs, as well as live electrical wires, behind various wall materials. Featuring 13 precision sensors, it offers superior accuracy and ease of use compared to conventional stud finders. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device to ensure optimal performance and safety.

KEY FEATURES

- **13 Precision Sensors:** Provides enhanced accuracy by detecting a wider area simultaneously, ensuring reliable stud and object location.
- **Full Stud Display:** Clearly indicates the entire width of a stud, including its center and edges, allowing for confident marking.
- **Live Wire Detection:** Features a Live Wire Meter to alert users to the presence of live electrical wires, enhancing safety during use.
- **No Calibration Required:** Automatically adjusts to different wall depths, materials, and textures, simplifying operation.
- **Easy Operation:** Simply press and hold the button to begin scanning.
- **Integrated Bubble Level:** A built-in level assists in ensuring accurate and straight marking for installations.
- **Pencil Caddy:** Includes a convenient storage slot for a marking pencil.
- **Durable Construction:** Built to withstand regular use by both consumers and professionals.



Figure 1: Front view of the Franklin Sensors ProSensor M210 Stud Finder.

FRANKLIN[®]
SENSORS
 PROFESSIONAL STUD FINDERS



ACCURATE



**SHOWS
FULL WIDTH
OF STUDS**



SAFETY FIRST
LIVE WIRE METER

Different Look. Better Results.

With patented multi-sensor technology, Franklin Sensors stud finders are the only stud finders that generate a clear picture of the center AND edges of each stud.



FROM GLOBAL COMPONENTS

Figure 2: Visual representation of the stud finder's accuracy, full width display, and live wire detection.

THE FRANKLIN SENSORS DIFFERENCE

Why Franklin Sensors has the Best Stud Finders

ProSensor M210 Stud Finder

The ProSensor M210 has 13 precision sensors. In comparison, conventional stud finders have 1 or 2 sensors. With more sensors, the ProSensor M210 **more accurately** identifies any change in density and identifies hidden objects behind the wall.

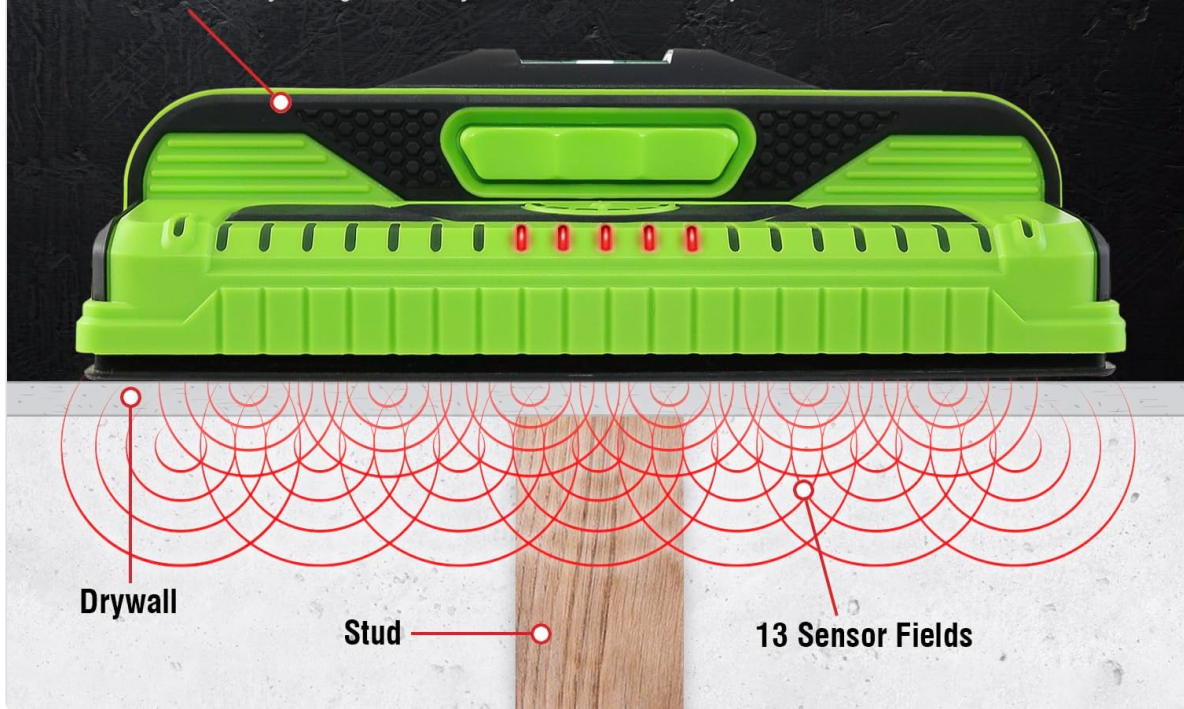


Figure 3: Illustration of the 13-sensor accuracy and how it detects hidden objects.



Figure 4: Annotated diagram showing key features like LEDs, level, battery compartment, and pencil caddy.

SETUP

Battery Installation

The ProSensor M210 requires two (2) AA batteries (not included). To install or replace batteries:

1. Locate the battery compartment cover on the side of the device.
2. Press the release button (often indicated by an arrow) and slide the cover open.
3. Insert two AA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Slide the cover back into place until it clicks securely.

Initial Use and Calibration

The ProSensor M210 features automatic calibration, eliminating the need for manual adjustments. To begin scanning:

1. Place the device flat against the wall surface where you intend to scan.
2. Press and hold the activation button located on the side of the device. The device will automatically calibrate.

3. Once calibrated, the LED lights will illuminate to indicate readiness.

OPERATING INSTRUCTIONS

Scanning for Studs

With the activation button pressed and held, slowly slide the ProSensor M210 horizontally across the wall surface. The precision LEDs will illuminate to indicate the presence and location of studs:

- **Red LEDs:** Indicate the presence of a stud. The illuminated red LEDs will show the full width of the stud, including its edges and center.
- **Green LED (Center):** When the device is centered over a stud, a green LED may illuminate, providing a clear indication of the stud's exact middle.

Live Wire Detection

The Live Wire Meter, indicated by a lightning bolt symbol, will illuminate yellow if live electrical wires are detected within the scanning area. Exercise extreme caution when this indicator is active and avoid drilling or cutting in that location.

Using the Built-in Level and Pencil

- **Bubble Level:** Use the integrated bubble level to ensure the device is held straight and level when scanning or marking.
- **Pencil Caddy:** A small pencil is stored within the device. Once a stud is located, you can use this pencil to mark the wall directly through the designated slots on the top of the device.

MAINTENANCE

- **Cleaning:** Wipe the device with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries when the device no longer powers on or provides inconsistent readings. Ensure to use fresh AA alkaline batteries for optimal performance, as low voltage from partially discharged rechargeable batteries may affect functionality.
- **Storage:** Store the stud finder in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Dead or low batteries. Incorrect battery polarity.	Replace with fresh AA alkaline batteries. Ensure batteries are inserted with correct polarity.

Problem	Possible Cause	Solution
Inconsistent or false readings.	Improper calibration. Device not flat against wall. Wall material too thick or dense.	Ensure the device is held flat against the wall. Re-scan the area slowly. Note that very thick or dense materials may limit detection depth.
Live wire detection is always on or off.	Presence of other electrical interference. No live wires present.	Move to a different area to confirm. Live wire detection is an indicator, not a precise locator. Always verify with other methods if unsure.

SPECIFICATIONS

- **Brand:** Franklin Sensors
- **Model:** M210
- **Dimensions (L x W x H):** 7.5 x 3.35 x 3.33 inches
- **Item Weight:** 11.4 ounces
- **Material:** Plastic
- **Power Source:** 2 AA batteries (not included)
- **Sensing Distance:** Up to 1.7 inches
- **Operating Temperature:** 32°F to 110°F (0°C to 43°C)
- **Country of Origin:** USA

WARRANTY AND SUPPORT

The Franklin Sensors ProSensor M210 Stud Finder is backed by a **5-year warranty**. For detailed warranty information, product support, or to access the full instruction manual, please visit the official Franklin Sensors website or contact their customer service.