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Franklin Sensors ProSensor T11/X1100

Franklin Sensors ProSensor T11/X1100 Stud Finder Instruction Manual

Model: FST1102

1. INTRODUCTION

The Franklin Sensors ProSensor T11/X1100 is an electronic stud finder designed to detect wood and metal studs behind drywall and other common wall materials. This device utilizes multiple sensors to provide accurate and simultaneous detection of stud edges and centers.

1.1 Package Contents

- Franklin Sensors ProSensor T11/X1100 Stud Finder
- Pencil

1.2 Key Features

- **11-Sensor Technology:** Provides enhanced accuracy and simultaneous display of stud edges and center.
- **No Calibration Required:** Ready to use by simply pressing and holding the activation button.
- **Start Anywhere Scanning:** Allows scanning to begin at any point on the wall, even directly over a stud.
- **LED Indicators:** 11 precision LEDs visually track and indicate the location and width of studs.
- **Maximum Detection Depth:** Detects objects up to 1 3/5 inches (approximately 4 cm) deep.
- **Integrated Pencil Caddy:** For convenient marking.

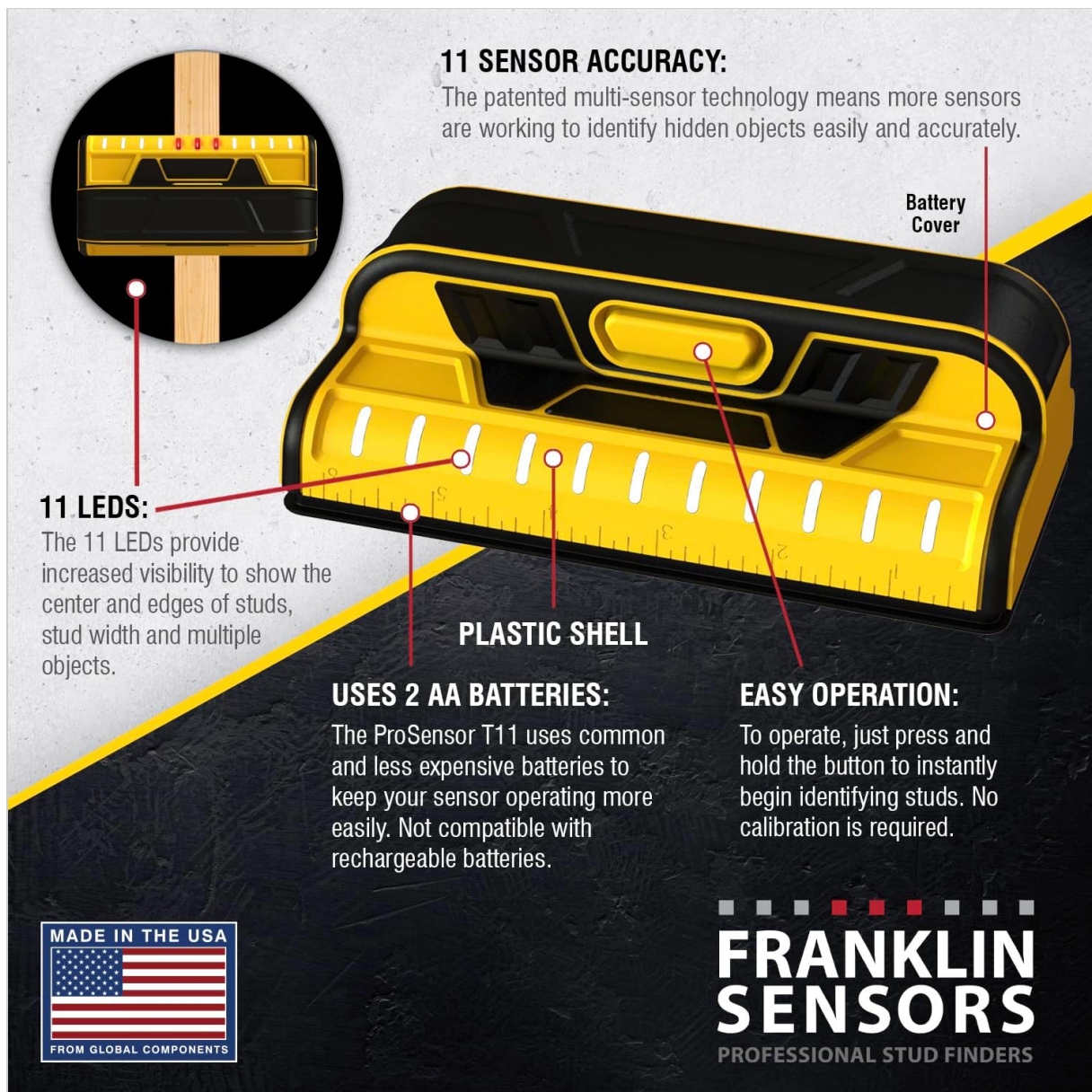


Figure 1: ProSensor T11/X1100 with highlighted features including 11 sensors, 11 LEDs, battery cover, and plastic shell. This diagram illustrates the device's components and operational simplicity, noting its use of 2 AA batteries (not rechargeable) and easy, no-calibration operation.

2. SETUP

2.1 Battery Installation

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

Note: The ProSensor T11/X1100 is designed for use with standard AA batteries and is not compatible with rechargeable batteries.

3. OPERATING INSTRUCTIONS

3.1 General Operation

1. Place the stud finder flat against the wall surface where you intend to scan.
2. Press and hold the activation button located on the top of the device. The device will activate

instantly without requiring calibration.

3. Slowly slide the stud finder horizontally across the wall.
4. Observe the LED indicators. As the device moves over a stud, the LEDs will illuminate to indicate its presence and width.
5. Once the stud is located, mark its edges and center using the integrated pencil caddy.
6. Release the activation button to turn off the device.

FIND THE STUD EVERY TIME
The ProSensor T11
Shows the Center and Edges of Studs Simultaneously

ACCURATE & EASY
11 Sensors Instantly and Accurately
Find the Stud Location

Figure 2: Proper grip and positioning of the stud finder against a wall for scanning.

3.2 How the ProSensor T11/X1100 Works

The ProSensor T11/X1100 utilizes 11 independent sensors that continuously scan the wall surface. When the device passes over a change in wall density, such as a stud, the sensors detect this change. The multiple sensors work together to accurately map the entire width of the stud, providing a comprehensive view rather than just a single point of detection.

THE FRANKLIN SENSORS DIFFERENCE

Why Franklin Sensors has the Best Stud Finders

ProSensor T11 Stud Finder

The ProSensor T11 has 11 precision sensors. In comparison, conventional stud finders have 1 or 2 sensors. With more sensors, the ProSensor T11 **more accurately** identifies any change in density and identifies hidden objects behind the wall.

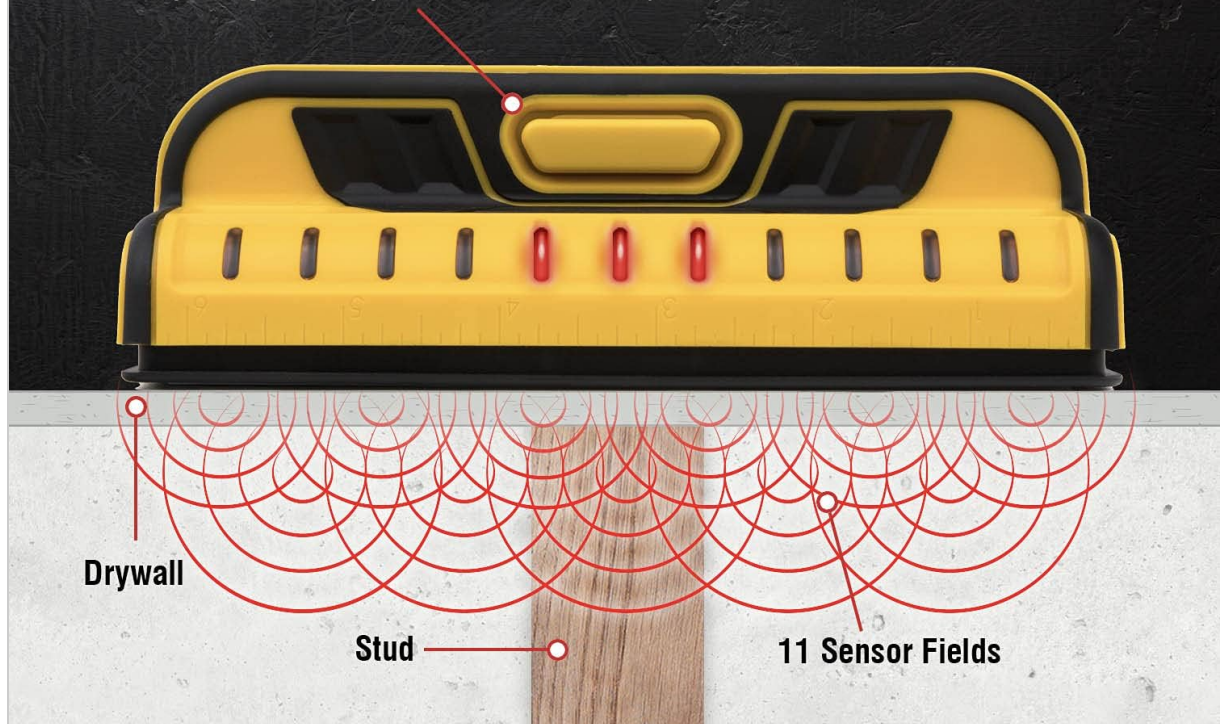


Figure 3: Illustration of the 11 sensor fields penetrating drywall to detect a hidden stud, demonstrating the device's multi-sensor technology.

3.3 Interpreting LED Readings

- **Illuminated LEDs:** Indicate the presence of a stud. The number of illuminated LEDs corresponds to the width of the detected object.
- **Center Indication:** The central illuminated LEDs will typically indicate the center of the stud.
- **Edge Indication:** The outermost illuminated LEDs on either side indicate the edges of the stud.
- **Full Stud Display:** The device displays the entire stud simultaneously, allowing for clear identification of single studs, double studs, and irregular configurations.



Figure 4: The stud finder positioned over a stud, showing the red LEDs illuminating to indicate the stud's presence and width.

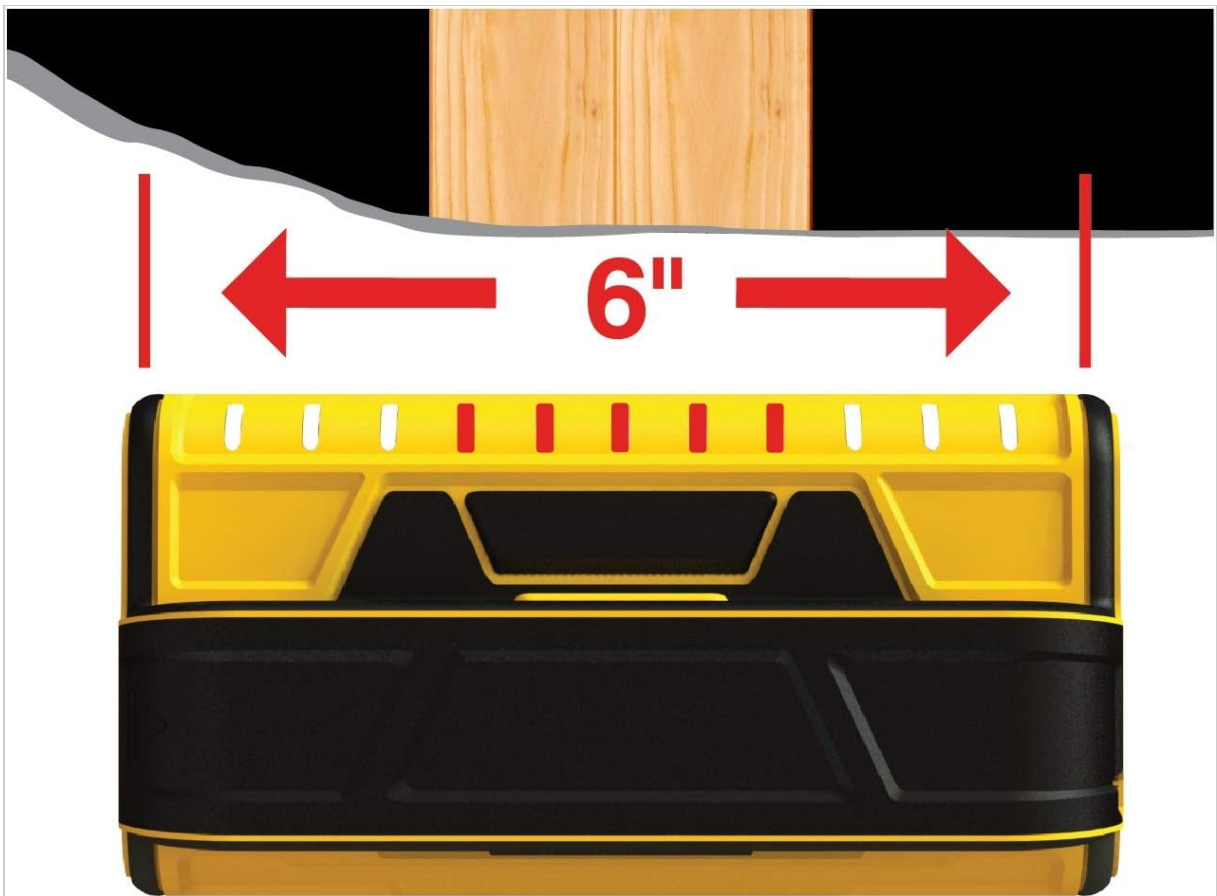


Figure 5: A top-down view demonstrating how the stud finder indicates the width of a stud, here shown as 6 inches.

4. MAINTENANCE

- Keep the device clean and dry. Wipe with a soft, damp cloth if necessary. Do not use abrasive cleaners or solvents.
- Store the stud finder in a cool, dry place away from direct sunlight and extreme temperatures.
- Remove batteries if the device will not be used for an extended period to prevent leakage.

5. TROUBLESHOOTING

- **No LEDs illuminate:** Check battery installation and replace batteries if necessary. Ensure the activation button is fully pressed and held.
- **Inconsistent readings:** Ensure the device is held flat against the wall and moved slowly. Avoid lifting or tilting the device during scanning. Ensure the wall surface is dry and free from excessive texture or wallpaper that might interfere with readings.
- **False positives/negatives:** The device is designed for drywall and similar materials. Performance may vary on different wall types (e.g., lath and plaster, concrete). Electrical wiring or plumbing near the surface can sometimes be detected.

6. SPECIFICATIONS

Feature	Specification
Model Number	FST1102
Product Dimensions	6.5 x 3.5 x 2.25 inches
Item Weight	8 ounces
Power Source	2 x AA Batteries (not included)
Detection Depth	Up to 1 3/5 inches (4 cm)
Number of Sensors	11
Color	Yellow

7. SAFETY INFORMATION

WARNING: This product may expose you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

- Always exercise caution when drilling or cutting into walls. Before proceeding, verify the absence of electrical wires, plumbing, or other hazards using the stud finder and other appropriate methods.
- Do not rely solely on the stud finder to avoid hazards.
- Keep the device out of reach of children.
- Do not expose the device to water or extreme moisture.
- Do not attempt to open or modify the device. There are no user-serviceable parts inside.

8. WARRANTY AND SUPPORT

For warranty information or technical support, please contact Franklin Sensors directly. Refer to the product packaging or the official Franklin Sensors website for current contact details.

Manufacturer: Franklin Sensors

