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FRANKLIN SENSORS

ProSensor™ T11, T13, M132 710 & 710+, X1100

PROFESSIONAL STUD FINDER

QUICK START

+

+

Requires 2 AA batteries

▲

Find the pyramid on the battery cover

←

Push the battery cover to the left to open

+/-

Install batteries according to polarity and replace the battery cover

QUICK TEST

↓

Press and HOLD the button

•

Pass your finger behind the unit

•

See LEDs track your finger

WATCH THE VIDEO:



www.youtube.com/watch?v=eQQy_EemRvo

IMPORTANT: READ BEFORE USING.

SAVE THESE INSTRUCTIONS.

Operating/Safety Instructions

FRANKLIN SENSORS PROSENSOR

Congratulations on selecting a Franklin Sensors stud finder – the most advanced wall sensing technology on the market. Your ProSensor incorporates advanced technology that precisely senses the surface in multiple locations simultaneously, then instantly identifies the location(s) of hidden object(s). It is quick, easy and accurate.

SAFETY RULES FOR THE PROSENSOR

WARNING: Read all instructions before use. Failure to follow safety instructions may result in electric shock, fire, and/or serious injury and death.

SAVE THESE INSTRUCTIONS

WARNING: It is possible that there may be wood, metal, wiring, or other objects behind the surface that are not detected. The stud finder may also detect pipes, wires, or other objects that the user may not want it to detect. The stud finder is designed to detect any inconsistency but does not identify what type of inconsistency or object it detects. The illuminated LEDs may indicate the location of many different features including, but not limited to, studs, beams, water pipes, gas pipes, wires, an inconsistency in the surface material or paint, etc.

9

2

7

4

5

1

6

3

8

1. LED Lights

2. Ergonomic Handle

3. “On” Button

4. Battery Cover

5. Detector Housing

6. Sensor Board

7. Bubble Level

8. Ruler

9. Pencil Caddy

OPERATING INSTRUCTIONS

Para instrucciones en español, visite <https://franklinsensors.com/support/instruction-manuals/>

TO OPERATE:

• Hold the stud finder by the handle. Do not touch the detector outside of the handle area while scanning.

• With the button held down, the LEDs will quickly flow to the center, indicating that the unit has power. You may immediately begin scanning the wall. You may press the button on or off the wall. No calibration is required. As you scan, LED lights will illuminate to display the location of any hidden object.







• LEDs track the center and edges of studs simultaneously. In certain models, the center LED will turn green once the precise center of the stud has been reached

No Gloves

Do not wear gloves when operating the ProSensor. The ProSensor T11 will operate best if a human hand is continually touching the button.







HEAVY TEXTURE OR IRREGULARITIES:

Franklin Sensors stud finders identify the location of studs by identifying differences in the density of the material in the wall. Consequently areas of heavy texture and/or irregularities in the wall, can also cause the LEDs to illuminate. When this happens, you know your stud finder is doing its job. To help determine if you have actually found a stud, continue to press and hold the button and then scan the wall up and down. The LED lights will normally remain constant on a stud, whereas the LEDs will only display sporadically on a wall's irregularity.

FINDING PIPES AND WIRES:

Franklin Sensors stud finders identify the location of studs by identify differences in the density of the material in the wall. Consequently wires or pipes that are near the surface, can also cause the LEDs to illuminate. When this happens, you know your stud finder is doing its job. To help determine if you have found a stud, continue to press and hold the button and then scan the wall up and down. The LED lights will normally remain constant on a stud, whereas wires may only make contact in a small area and pipes may have elbows and branch off which may cause LEDs to only illuminate sporadically. ALWAYS TAKE THE NECESSARY SAFETY PRECAUTIONS AND TURN OFF all gas, water and electric power before penetrating the wall.

No!

RECHARGEABLE Batteries

BATTERIES

DO NOT USE RECHARGEABLE BATTERIES.

The ProSensor uses 2 AA batteries. Do not mix old and new batteries. Do not mix alkaline, standard or rechargeable batteries.

Use 1.5 volt alkaline batteries only.

REPLACING THE BATTERIES – T11 & T13/M132

• Remove the battery cover by sliding the cover to the right and lifting. Remove both batteries and dispose of them properly. Please recycle.

• Replace with new AA batteries.

• Replace battery cover. Close battery cover by sliding the cover to the left until it snaps into place.

REPLACING THE BATTERIES – 710 & 710+

• Remove battery cover, by sliding the cover to the left and lifting. Remove batteries and dispose of the batteries properly. Please recycle.

• Replace with new AA batteries.

• Replace battery cover. Close battery cover by sliding the cover to the right until it snaps into place.

When the battery voltage is low, the second LED from the right will flash. Replace with 2 new batteries.











ProSensor T11

ProSensor T13/M132

ProSensor 710

ProSensor 710+

ProSensor X1100

TROUBLESHOOTING		
CONDITION	PROBABLE CAUSE	SOLUTION
No LED lights come on.	Weak or Rechargeable Batteries.	DO NOT USE RECHARGEABLE BATTERIES. Replace with 2 new AA, 1.5-volt alkaline batteries. Do not mix old and new batteries.
Stud finder only works momentarily.	The “on” button isn’t being held down.	Hold the “on” button down until you have completed your scan.
Difficulty starting a scan near doors and windows.	Solid headers and triple studs are often present around doors and windows. The ProSensor indicates the change in density. If all the sensors sense the same density, the LEDs will not illuminate.	Begin the scan away from the window or door, then move the stud finder to the area around the window or door. For best results, keep stud finder 3”/7cm away from wood trim, outlets, switches, etc.
The LED lights sometimes seem to light up sporadically or inconsistently.	Operator is holding the unit near the base rather than on the handle.	Only hold the unit by the handle with a finger continually pressing the button.
Inconsistent readings.	Franklin Sensors stud finders find any change in density. The sensor’s job is to identify any changes in density. In the case of heavy texture, pipes and wires close to the surface of the wall or other irregularities in the wall, the LEDs may illuminate. When this happens, you know your stud finder is doing its job!	When you get a reading, continue to press and hold the button and then scan the wall up and down. The LED lights will remain constant on a stud, while irregularities will only display temporarily.

SENSING THROUGH DIFFERENT MATERIALS:

Moisture

The scanned surface should be clean and dry. Paint and wallpaper need to be completely dry before scanning for studs. It may take up to 2 weeks for wallpaper to dry enough to detect studs.

Foil-Backed Insulation

Although not common, foil-backed insulation can cause inconsistent readings with all electronic stud finders, including the ProSensor.

Metallic Content in Wallpaper

Wallpaper with metallic content can block the detector's signals.

Textured Walls and Acoustic Ceilings

The ProSensor is capable of detecting studs through many textures and surfaces. The unit will however work most accurately if placed firmly against the flattest portions of the wall. For the best results, prior to beginning your scan, identify a horizontal area that is consistently the flattest.

Lath and Plaster

The ProSensor T11, 710+, and 710 can see up to 1.6 inches, and the ProSensor T13 and M132 can see up to 1.7 inches, and thus can see through most lath and plaster walls. When irregularities in plaster thickness and variations in construction materials exceed this depth, detection is not guaranteed. Also, the stud finder may not be able to detect if the plaster uses metal mesh reinforcement.

Tile, Flooring, Roofing, and Exteriors

The ProSensor works by measuring the density of material behind the sensors to determine the location of studs. Due to the variability of density in tile flooring, roofing and exterior materials, we do not recommend the ProSensor for use in these applications.

STICKERS / DECALS

Do not place decals or stickers, especially those containing metal, on the sensor board, or on the stud finder in any place.

DISASSEMBLY / TEFLON PADS

Do not disassemble the stud finder or remove the teflon pads on the bottom. The stud finder will not operate correctly without the teflon pads properly in place.

DISPOSAL

Stud finders and packaging should be sorted for recycling.

ENVIRONMENTAL CONDITIONS

Franklin Sensors stud finders will work best when maintained in the following environmental conditions:

Storage

Temperature	(0°F to 120°F) (-18°C to 50°C)
Storage Humidity	0% to 90% Relative humidity (non-condensing)

Operating

Temperature	(32°F to 110°F) (0°C to 43°C)
Operating Humidity	0% to 90% Relative humidity (non-condensing)

WARNING: TURN OFF all gas, water, and electric power before using any drilling or penetrating devices or equipment including drills, saws, routers, hammers, nails, screws, etc.

WARNING: The stud finder alone should not be relied upon exclusively to locate objects behind a scanned surface. Use other sources of information to help locate objects. Other sources of information may include, but are not limited to, construction plans, visible points of entry of pipes, location of switches and outlets, and standard stud spacing practices.

FAILURE TO TAKE THESE AND OTHER NECESSARY PRECAUTIONS COULD RESULT IN ELECTRIC SHOCK, FIRE, AND/OR SERIOUS INJURY AND DEATH.

Clean

Before turning on, ensure that the stud finder is clean and dry. If necessary, wipe the stud finder dry using a clean cloth. If the detector is wet or dirty it may not operate properly.

Temperature

If the stud finder is subject to a significant temperature change, allow it to adjust to the ambient temperature before using. The entire area of the sensor board should be at a similar temperature for best operation.

FCC PART 15 CLASS B REGISTRATION WARNING

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and

2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help

LIMITED LIFETIME WARRANTY

Franklin Sensors Inc. offers a Limited Lifetime Warranty on all its products. The products are warranted to be free from defects in materials and workmanship for the life of the product. If a defect is found, at Franklin Sensors' discretion, Franklin Sensors will either repair or replace the unit with an equivalent product.

The function of the products is not guaranteed. For example, for stud finders it is possible that there may be wood, metal, wiring, or other objects behind the surface that are not detected. It is also possible that stud finders may detect pipes, wires, or other objects that the user may not want to detect. The stud finders do not identify what type of object they detect. Illuminated LEDs may indicate the location of many different features including, but not limited to, studs, beams, water pipes, gas pipes, wires, an inconsistency in the surface material or paint, etc. This warranty does not cover incidental or consequential damage such as physical injuries, property damage, loss of time, loss of use of the product, inconveniences, or accommodations resulting from failure of the products.

Franklin Sensors shall not be liable for any special, indirect, incidental, or consequential damages or losses, whether arising from breach of warranty or based on contract, tort, reliance or any other theory. Since some countries or states do not allow limitation of the term of an implied warranty, or exclusion or limitation of incidental or consequential damages, the limitations and exclusions of this warranty may not apply to every buyer. In the event of a product defect, please return the product postage paid with proof of purchase to:

Franklin Sensors Inc.
Attn: Returns Department
6675 N Pollard Ln.
Meridian, ID 83646
(208) 918-2403
returns@franklinsensors.com
Hours of Operation: Monday-Friday,
8 AM to 5 PM,
Mountain Time Zone
US Patents 8,476,912 8,593,163 8,669,772
8,736,283 8,791,708 8,836,347 8,884,633
10,895,657
US and Foreign Patents Pending.

T11_T13_M132_710_710+_X1100.E (06/24)