

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.

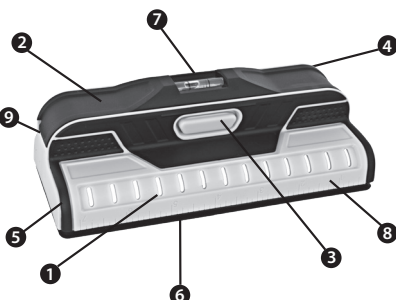
WARNING: TURN OFF all gas, water, and electric power before using any drilling or penetrating devices or equipment including drills, saws, routers, hammers, nails, screws, etc.

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.



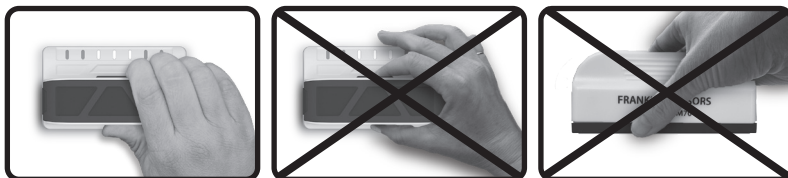
- 1. LED Lights
- 2. Ergonomic Handle
- 3. "On" Button
- 4. Battery Cover
- 5. Detector Housing
- 6. Sensor Board
- 7. Bubble Level
- 8. Ruler
- 9. Pencil Caddy

OPERATING INSTRUCTIONS

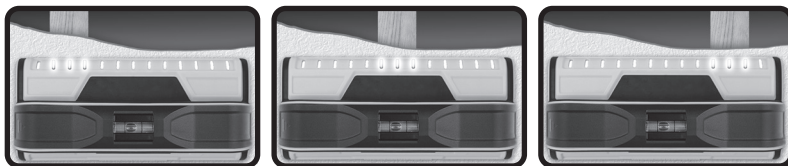
Para instrucciones en español, visite <https://franklinsensors.com/support/instruction-manuals/>

TO OPERATE:

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



• With the button depressed, you may immediately begin scanning the wall. You may press the button on or off wall. No calibration is required. As you scan, LED lights will illuminate to display the location of any hidden object.



No Gloves

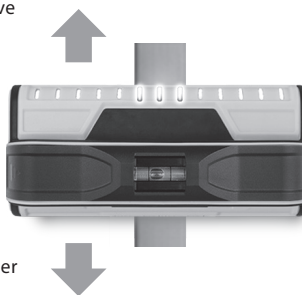
Do not wear gloves when operating the ProSensor. The ProSensor will operate best if a human hand is continually touching the button.

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.



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 AND T13

- 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 AND 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.

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

Because the ProSensor has more sensors, many users have success, but detection cannot be guaranteed. Irregularities in plaster thickness and variations in construction materials can make it difficult to locate studs behind lath and plaster walls. 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)

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.

LIMITED WARRANTY

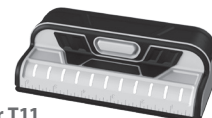
Franklin Sensors warrants this product to be free from defects in material and workmanship for one year. This LIMITED WARRANTY does not cover products that are improperly used, abused, or altered. Defective products will be replaced or repaired. If a product is found to be defective within the warranty period, Franklin Sensors will, at its sole discretion, either repair or replace the defective product. This limited warranty does not apply to products that are subjected to freight damage, accident, abuse, alteration, misuse, improper repair, etc. Franklin Sensors and Franklin Sensors' authorized distributors shall bear no other liability or obligation under this warranty.

IN NO EVENT SHALL FRANKLIN SENSORS HAVE ANY LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, DAMAGE TO GOODWILL, LOSS OF TIME, INCONVENIENCE OR OTHER COMMERCIAL OR ECONOMIC LOSS, and in no event shall Franklin Sensors be liable for damages exceeding the purchase price.

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

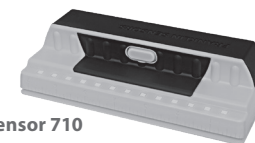
US Patents 8,476,912 8,593,163
8,669,772 8,736,283 8,791,708
8,836,347 8,884,633
US and Foreign Patents Pending.



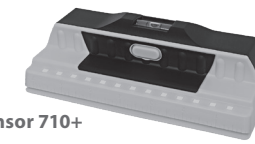
ProSensor T11



ProSensor T13



ProSensor 710



ProSensor 710+

T11_T13_710sE.0 (02/23)

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.