

Installing the Battery

1. Slide open battery door on back of case.
2. Connect a 9-volt battery to battery clip.
3. Insert battery into case and replace battery door.

Battery will last approximately two years under normal conditions.

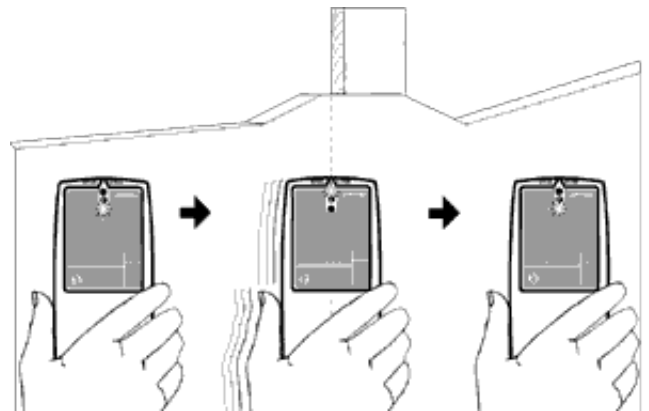


Scanning for Studs

1. Place the StudSensor™ stud finder against the wall. Hold as shown. (Figure 2).
2. Press and hold the ON/OFF switch. Slide the tool slowly across the wall.
3. LED display indicates increasing density. Top LED indicates stud edge. Mark this spot.

Note: Top LED may not always light when scanning through some dense surfaces. In that case, a lower LED indicates max density and therefore stud edge.

4. Continue moving across the stud until the top LED turns off, and then, still holding the switch in, reverse direction and locate the other edge of the stud. Mark this spot.
5. The midpoint between the two marks is the center of the stud.
6. DeepScan® Mode: For scanning through thick, built up surfaces like flooring, paneling, or shear wall.



To activate DeepScan® mode, click button twice until DeepScan® LED is lit.

Flashing lights! Error indicator

The StudSensor™ tool finds dense objects beneath the wall surface. The position where you start is important.

To work right, the tool must start (by holding the button) over a part of the wall that is not dense.

Otherwise, an error is indicated.

If top and bottom LEDs start blinking and beeping, move over a few inches and start again. Error indicator is deactivated in DeepScan® mode.

Hint 1: Keep your free hand out of the way. To avoid interference, do not place your free hand within 6 inches of the top of the tool while scanning.

Hint 2: The StudSensor™ stud finder will detect only the outer edge of double studs and headers around doors, windows and corners.

Hint 3: The StudSensor™ stud finder usually finds studs, but can sometimes find pipes or other objects.

Be sure you've found a stud by finding other studs equally spaced to either side (16 or so inches apart), and finding the same stud at several places directly above and below the first.

CAUTION

If electrical wiring, metal or plastic pipes are close to or touching the inside surface of the wall, the StudSensor™ tool may detect them in the same manner as studs.

Caution should always be used when nailing, cutting, or drilling into walls, floors, and ceilings that may contain these items.

To avoid surprises, remember that studs or joists are normally spaced 16 inches or 24 inches apart on center and are 1 1/2 inches in width.

Anything closer together or of a different width may not be a stud, joist, or fire break.

Note: Always turn off the power if working near electrical wires.

Working with Different Materials

StudSensor™ stud finders are designed for use on interior walls only.

Three main factors affect sensing depth while scanning for studs. They are thickness, density, and moisture content.

Wallpaper: the StudSensor™ stud finders can penetrate smooth wallpaper except patterns containing metallic foil.

New wallpaper must be thoroughly dry, which may take as long as two weeks.

Plaster and Lath: stud finders may give erratic indications on lath and plaster because of uneven thicknesses.

In DeepScan® mode it might be possible to trace a single horizontal lath if walls are smooth and there is a minimum of extruded material behind the wall.

Ceilings: When scanning a ceiling with a thin, sprayed surface, place paper or thin cardboard on the ceiling and scan through it.

Because of inconsistent density of material, the StudSensor™ stud finder is not effective on ceramic floor tile or carpeting and pad.