

EDGE FINDING

StudSensor™ A100

Edge Finding Stud Finder with WireWarning® Detection



StudSensor™ A100 is an edge locating stud finder. Select from two scanning modes to find the edges of wood and metal studs and joists up to 1½ in. (38 mm) deep. Equipped with WireWarning® Detection, the A100 alerts you to live unshielded electrical wiring when scanning in both StudScan and DeepScan® Modes. The SpotLite® Pointer, LCD screen, and audio tone indicate the location of the stud edge.

- **StudScan Mode** locates the edges of wood and metal studs up to ¾ in. (19 mm) deep
- **DeepScan® Mode** doubles the scanning depth to locate the edges of wood and metal studs up to 1½ in. (38 mm)
- **WireWarning® Detection** indicates the presence of live, unshielded AC electrical wiring up to 2 in. (50 mm) deep in both stud scanning modes
- Zircon's patented "**over-the-stud**" feature alerts the user if scanning begins over a stud
- **SpotLite® Pointer** shines an arrow-shaped light on the scanned surface to clearly indicate the location of the target
- **Translucent base and illuminated "V" marker groove** provides more accurate marking of target location
- **Ergonomically designed grip** allows a comfortable hold on the tool for any size hand, at any angle



Find Stud Edges



Find Wood or Metal Studs



Scan Thick Walls for Studs



WireWarning® Detection



SPECIFICATIONS

Dimensions 6.77 in. H x 2.87 in. W x 1.65 in. D (172 mm x 73 mm x 42 mm)

Weight Weight 4.80 oz. (136 g) without battery

Battery Type 9V alkaline, required

Position Accuracy*
Up to a depth of ¾ in. (19 mm):
 Typically within ⅛ in. (3 mm) using dual scan & mark procedure
Up to a depth of 1½ in. (38 mm):
 Typically within ⅜ in. (5 mm) using dual scan & mark procedure

Depth*
StudScan Mode: Up to ¾ in. (19 mm)
DeepScan® Mode: Up to 1½ in. (38 mm)

WireWarning® Position Accuracy*
 Typically 90-250 V at 50-60Hz within 6 in. (152 mm) of a hot unshielded wire

WireWarning® Depth*
 In typical wall with Romex® wiring, wire can be detected up to 2 in. (50 mm) deep

Operating Temperature
 20° to 105°F (-7° to 41°C)

Storage Temperature
 -20° to 150°F (-29° to 66°C)

Humidity 5-90% RH (non-condensing)

Water Resistance
 Splash and water resistant, not waterproof

***NOTE: USE ONLY IN ACCORDANCE WITH A100 INSTRUCTIONS.**
 Sensing depth and accuracy can vary depending on scanning environment conditions such as mineral contents, moisture, texture and consistency of the wall materials. Not recommended for use on lath and plaster. **Indoor use only.**