

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 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 19 mm deep
- **DeepScan® Mode** doubles the scanning depth to locate the edges of wood and metal studs up to 38 mm
- **WireWarning® Detection** indicates the presence of live, unshielded AC electrical wiring up to 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 a red 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 172 mm H x 73 mm W x 42 mm D
Weight 136 g without battery
Battery Type 9V alkaline, required
Position Accuracy*
Up to a depth of 19 mm:
 Typically within 3 mm using dual scan & mark procedure
Up to a depth of 38 mm:
 Typically within 5 mm using dual scan & mark procedure

Depth*
StudScan Mode: Up to 19 mm
DeepScan® Mode: Up to 38 mm
WireWarning® Position Accuracy*
 Typically 90-250 V at 50-60Hz within 152 mm of a hot unshielded wire
WireWarning® Depth*
 In typical wall with Romex® wiring, wire can be detected up to 50 mm deep
Operating Temperature
 -7° to 41°C

Storage Temperature
 -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.**