



EDGE FINDER

StudSensor™ e50



All-New Deep-Scanning Stud Finder with Patented Pinch Grip Design, New SpotLite® Pointer, and WireWarning® Detection

The StudSensor™ e50 quickly and easily locates the edges of wood and metal studs and joists behind walls, floors, and ceilings. Its easy-to-read display screen indicates stud edges, the patented SpotLite® Pointer shines a beam of light on the wall to identify the target, and WireWarning® detection indicates the presence of live AC voltage. Its new patented pinch grip and contoured shape provide an easy, secure hold in either hand, at any angle.



- Locates the edges of wood or metal studs up to ¾ inch (19 mm) deep
- DeepScan® mode doubles the scanning depth to 1½ inches (38 mm)
- Easy-to-read LCD display indicates when a stud edge is approached
- Updated SpotLite® Pointer shines an arrow-shaped light on the wall to mark the target
- WireWarning® detection indicates the presence of live, unshielded electrical wiring up to 2 inches (51 mm) deep
- Should scanning begin over a stud, Zircon's patented "over-the-stud" indication alerts the user to start the scan in a new location
- Patented TruCal® technology indicates when the tool is calibrated and ready

SPECIFICATIONS

Dimensions	6.66 in. H x 2.80 in. W x 1.76 in. D (169 mm x 71 mm x 45 mm)
Weight	4.5 oz. (127.2 g) without battery
Battery Type	9-V alkaline (not included)
Position Accuracy*	Up to a depth of ¾ in. (19 mm): typically within ⅛ in. (3 mm) using the dual scan and mark procedure Up to a depth of 1 ½ in. (38 mm): typically within ⅜ in. (5 mm) using the dual scan and mark procedure
Depth*	Stud Scan mode: up to ¾ in. (19 mm) DeepScan® mode: up to 1 ½ in. (38 mm)
AC Position Accuracy*	Typically 90-250 V at 50-60 Hz within 6 in. (152 mm) of a hot unshielded wire in drywall
AC Depth*	In typical wall with Romex™ wiring, wire can be detected up to 2 in. (51 mm) deep
Operating Temperature	20° to 120°F (-7° to 49°C)
Storage Temperature	-20° to 150°F (-29° to 66°C)
Humidity	80% RH (noncondensing)
Water Resistance	Splash and water resistant, not waterproof

*NOTE: See tool's instructions for more information. Sensing depth and accuracy can vary due to moisture, content of materials, wall texture, paint, etc.



Find Stud Edges



Scan Thick Walls for Studs



Find Wood or Metal Studs



WireWarning® Detection

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