

ZIRCON®

EDGE FINDING

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.

- **StudScan mode** locates the edges of wood or metal studs up to 19 mm deep
- **DeepScan® mode** doubles the scanning depth to 38 mm
- **Easy-to-read LCD display** indicates when a stud edge is approached
- **SpotLite® Pointer** shines an arrow-shaped light on the wall to mark the target
- **WireWarning® Detection** indicates the presence of live, unshielded AC electrical wiring up to 51 mm deep
- Zircon's patented **"over-the-stud"** indication alerts you to start the scan in a new location as scanning began over a stud



SPECIFICATIONS

Dimensions	169 mm H x 71 mm W x 43 mm D
Weight	123 g without battery
Battery Type	9V alkaline, required
Position Accuracy*	Up to a depth of 19 mm: Typically within 3 mm using the dual scan and mark procedure Up to a depth of 38 mm: Typically within 5 mm using the dual scan and mark procedure
Depth*	StudScan mode: Up to 19 mm DeepScan® mode: Up to 38 mm
WireWarning® Position Accuracy*	Typically 90-250 V at 50-60 Hz within 152 mm of a hot unshielded wire
WireWarning® Depth*	In typical wall with Romex™ wiring, wire can be detected up to 51 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: Sensing depth and accuracy can vary due to moisture, content of materials, wall texture, paint, etc. Not recommended for use on lath and plaster. Indoor use only.



Find Stud Edges



Scan Thick Walls for Studs



Find Wood or Metal Studs



WireWarning® Detection