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

Find Stud Edges

Find Wood or Metal Studs

Scan Thick Walls for Studs

WireWarning® Detection

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.

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