

# ZIRCON®

## StudSensor™ L50

STUD FINDER / DETECTOR DE VIGAS  
EDGE FINDING / DETECCIÓN DE BORDES

### Deep-Scanning Stud Finder with SpotLite® Pointer and WireWarning® Detection



The StudSensor™ L50 quickly and easily locates the edges of wood and metal studs and joists behind walls, floors, and ceilings. Its easy-to-read display indicates stud edges, SpotLite® Pointer shines a beam of light on the wall to clearly identify the target, and WireWarning® detection indicates the presence of live AC voltage. Its 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 ¾ in. (19 mm) deep
- **DeepScan mode** doubles the scanning depth to 1½ in. (38 mm) deep
- **READY icon** displays when calibration has completed successfully
- **Easy-to-read LCD display** indicates when a stud edge is approached
- Zircon's patented **"over-the-stud" indication** alerts the user to start the scan in a new location if scanning begins over a stud
- **WireWarning® detection** indicates the presence of live, unshielded AC electrical wiring up to 2 in. (51 mm) deep
- **SpotLite® Pointer** shines an arrow-shaped light on the wall to clearly indicate the edge of the stud
- **Translucent base and illuminated "V" marker groove** for more accurate marking of stud edge location
- **Rubber handle** for non-slip grip



Find Stud Edges



Find Wood or Metal Studs



Scan Thick Walls for Studs



WireWarning® Detection

**Dimensions** 6.66 in. H x 2.80 in. W x 1.76 in. D (169 mm x 71 mm x 45 mm)

**Weight** 45 oz. (127.2 g) without battery

**Battery Type** 9-V alkaline, required

**Position Accuracy\***

**Up to a depth of ¾ in. (19 mm):**

Typically within ¼ in. (3 mm) using the dual scan and mark procedure

**Up to a depth of 1½ in. (38 mm):**

Typically within ¾ in. (5 mm) using the dual scan and 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 in drywall

**WireWarning® 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 (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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