LL100N

Applications

- General elevation control
- Checking and setting elevations for smaller job sites
- Leveling forms and footers
- Estimating cut and fills
- Ideal for decks, terraces, pools, septic systems
- Basic slopes for driveways and ramps



A New Standard in Affordable Professional Laser Tools







The fully automatic, self-leveling Spectra Precision® Laser LL100N sets a new standard in rugged reliability, handling a wide variety of general construction applications. Even in the toughest job site conditions, the LL100N consistently delivers reliable, accurate performance to increase your overall productivity and cost-savings.

The LL100N laser mounts on a tripod and sends a 360° plane of laser light over the entire work area, allowing one person to take accurate, self-leveled elevation measurements up to 575 feet (175 m) away with the HR320 laser receiver.

The LL100N is designed to be durable and reliable, day in and day out, and features superior drop and weather protection. The tough LL100N laser can withstand drops of up to 3 feet (1 m) onto concrete and tripod tip-overs up to 5 feet (1.5 m). This ruggedness results in reduced downtime and lower repair costs.

Key Features

- Automatic self-leveling
- Accuracy 1/8 inch @ 100 ft (3mm @ 30 m)
- Working range of 1,150 ft (350 m) diameter
- Simple one-button operation for quick start up
- Height of Instrument Alert - unit stops rotating when jarred to avoid erroneous readings
- Single axis manual slope mode (with RC601 Remote Control)
- Rotor cage can be removed for precise 360°coverage
- Complete kit available and fits in one case with tripod and grade rod
- Extremely durable and portable
- 2 Years warranty

User Benefits

- Complete leveling crew in a case - carrying case securely holds all components, tripod and grade rod
- Easy to transport, easy to carry, easy to store
- Energy-efficient design offers long battery life
- Highly durable construction enables the LL100N to survive a drop up to 3 feet (1 m) onto concrete

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A New Standard in Affordable Professional Laser Tools

LL100N Laser Specifications

- Laser Source: 650 nm visible, Class 2
- Laser Accuracy: ±1/8 in at 100 ft (±3 mm at 30 m)
- Operating Range: 1,150 ft (350 m) diameter with receiver HR320
- Self-leveling Range: ±5 degrees
- Compensation Method: Electronic self-leveling
- Drop Height on Concrete performance: 3 ft (1 m)
- Single Axis Manual Slope Mode: Yes
- Out-of-level warning: Rotor stops, laser shuts off, red out-of-level LED flashes
- Power source: 2 x “D” Alkaline Batteries
- Battery life: 80 hours Alkaline
- Battery Status LED: Flashing red LED
- Rotation speed: 600 RPM
- Tripod Mount (Horizontal and Vertical): 5/8” x 11
- Operating temperature: 23 °F to 113 °F (-5 °C to 45 °C)
- Storage temperature: -4 °F to 158 °F (-20 °C to 70 °C)
- Water resistant: Yes, and IP54 sealing
- Size: 8.5L × 6.7W × 6.0H in (21.6L × 17.1W × 15.2H cm)
- Weight: 3.3 lbs (1.5 kg)
- Warranty: 2 Years

HR320 Receiver Specifications

- Two On-Grade Sensitivities:
  Fine 1/16 in (2 mm)
  Standard 1/4 in (6 mm)
- LCD Channels: 5
- Battery Life: 70 hrs
- Automatic Shutoff: 30 minutes
- Dust & Waterproof: Yes IP67
- Weight: 12 oz (0.34 kg)
- Warranty: 2 Years



LL100N features a removable rotor cage for full 360° coverage



Optional RC601 Remote Control aids in slope matching



HR320 Receiver and C59 rod clamp included with every package



Complete system carrying case includes tripod and your choice of grade rod.

Standard case with laser and receiver only also available.



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To locate your nearest distributor, please visit the Dealer Locator section at www.spectraprecision.com
Specifications and descriptions are subject to change without notice.

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