

LL300S

Applications

- General elevation control
- Checking and setting elevations for small to medium job sites
- Leveling forms and footers
- Estimating cut and fills
- Excavations
- Basic slopes for driveways and ramps



Full Featured Horizontal Laser



The automatic, self-leveling Spectra Precision® LL300S Laser Level is the most rugged laser level available, tough enough to handle a wide variety of general and concrete construction applications. Even in harsh jobsite conditions, the LL300S delivers consistently reliable and accurate performance, enabling you to work faster and smarter.

The rugged LL300S laser can withstand drops of up to three feet (one meter) onto concrete and tripod tipovers up to five feet (1.5 meters). This strength, combined with full weatherproofing and dustproofing, reduces downtime and lowers repair costs over the life of the product.

The LL300S laser's self-leveling capability and optional RC402N radio remote control result in outstanding accuracy and ease of use. Since the LL300S laser levels itself when turned on, setup is easy with fewer controls to deal with. The arrow buttons at the laser offer easy grade matching with a controlled slope setup using the HI-alert function. The optional RC402N radio remote control makes slope matching to a single person operation.

Key Features

- Automatic self-leveling
- Accuracy 1/16 inch @ 100 ft (1.5mm @ 30 m)
- Working range of 2,600 ft (800 m) diameter
- Simple keypad for easy grade matching
- Height of Instrument Alert - unit stops rotating when jarred to avoid erroneous readings
- Long range Radio remote control (optional)
- Complete kit available and fits in one case with tripod and grade rod
- Extremely durable and portable
- 5 Year warranty

User Benefits

- Complete leveling crew in a case - carrying case securely holds all components, tripod and grade rod (valid for the complete system kit)
- Easy to transport, easy to carry, easy to store
- Energy-efficient design offers long battery life
- Highly durable construction enables the LL300S to survive a drop up to 3 feet (1 m) onto concrete
- Radio remote control offers access to all laser function from every jobsite place



Full Featured Horizontal Laser

LL300S Laser Specifications

- Laser Source: 650 nm, Class 2, $\lt; 3,4\text{mW}$
- Laser Accuracy: $\pm 1/16$ in at 100 ft (± 1.5 mm at 30 m)
- Operating Range: 2,600 ft (800 m) diameter
- Operating Range (RC402N): 330 ft (100 m)
- 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 (w/self-leveling mode on the second axis)
- Out-of-level Warning: Rotor stops, red out-of-level HI/MAN-LED flashes
- Power Source: 4 x D-cell NiMH or alkaline batteries
- Battery Life: Rechargeable - 47 hours, Alkaline - 60 hours
- Battery Status LED: Flashing red LED
- Rotation Speed: 600 RPM
- Tripod Mount (Horizontal and Vertical): $5/8" \times 11$
- Operating Temperature: -4°F to 122°F (-20°C to 50°C)
- Storage Temperature: -4°F to 158°F (-20°C to 70°C)
- Water and Dust Protection: Yes, IP66
- Size: $10.7\text{L} \times 7.7\text{W} \times 7.9\text{H}$ in ($27.2\text{L} \times 19.7\text{W} \times 20.1\text{H}$ cm)
- Weight: 5.9 lbs (2,7 kg)
- Warranty: 5 Years



LL300S features a strong metal sunshade

HL 450 Receiver Specifications

- Digital Readout Units: mm, ft, in, frac
- Reception Height: 4 inches (102 mm)
- Three On-grade Sensitivities:
 - Fine $\sim 1/16$ in (1 mm)
 - Medium $\sim 1/4$ in (5 mm)
 - Calibration Mode $\sim 1/64$ in (0.1 mm)
- Battery Life (2 x AA): 70+ hrs
- Automatic Shutoff: 30 minutes
- Operating Temp.: -4°F to 122°F (-20°C to 50°C)
- Dust & Waterproof: Yes IP67
- Weight without Clamp: 13.1 oz (0.371 kg)
- Warranty: 3 Years, 2 Years "No Excuses"



Optional RC402N Radio Remote Control offers grade matching as a single person operation

HL 450 Receiver and C45 rod clamp included



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

Standard case with laser and receiver only also available.

Both case are available with alkaline or rechargeable batteries.



Contact Information:

NORTH AMERICA
Trimble - Spectra Precision Division
5475 Kellenburger Road • Dayton, Ohio 45424 • USA
Toll Free +1-888-272-2433 • Fax +1-937-246-6489
www.spectralasers.com

EUROPE
Trimble Kaiserslautern GmbH
Am Sportplatz 5 • 67661 Kaiserslautern • Germany
Phone +49-6301-711414 • Fax +49-6301-32213



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

© 2014, Trimble Navigation Limited. All rights reserved. Trimble, the Globe & Triangle logo and Spectra Precision are trademarks of Trimble Navigation Limited, registered in the United States Patent and Trademark office and in other countries. All other trademarks are the property of their respective owners.

PN 022507-392 (10/14)