

LL300N

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



The Toughest Laser Level You'll Ever Own



The automatic, self-leveling Spectra Precision® LL300N 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 LL300N delivers consistently reliable and accurate performance, enabling you to work faster and smarter.

The rugged LL300N 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 LL300N laser's self-leveling capability and optional RC601 remote control result in outstanding accuracy and ease of use. Since the LL300N laser levels itself when turned on, setup is easy with fewer controls to deal with. The RC601 remote control gives you the option of matching slopes or having slopes-on-grade. It also offers single-axis slope including HI warning control with the other axis continuing to level itself.

Key Features

Automatic self-leveling
Accuracy 3/32 inch @ 100 ft (2.2mm @ 30 m)
Working range of 1,650 ft (500 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)
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
Easy to transport, easy to carry, easy to store
Energy-efficient design offers long battery life
Highly durable construction enables the LL300N to survive a drop up to 3 feet (1 m) onto concrete
Remote control slope option increases flexibility of applications



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LL300N Laser Specifications

Laser Source: 650 nm, Class 2, <3,4mW
Laser Accuracy: $\pm 3/32$ in at 100 ft (± 2.2 mm at 30 m)
Operating Range: 1,650 ft (500 m) diameter
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), with optional RC601 remote control
Out-of-level Warning: Rotor stops, red out-of-level HI-LED flashes
Power Source: 4 x D-cell NiMH or alkaline batteries
Battery Life: Rechargeable - 45 hours, Alkaline - 90 hours
Battery Status LED: Flashing red LED
Rotation Speed: 600 RPM
Tripod Mount (Horizontal and Vertical): 5/8" x 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 Resistant: Yes, IP66
Size: 10.7L x 7.7W x 7.9H in (27.2L x 19.7W x 20.1H cm)
Weight: 5.9 lbs (2,7 kg)
Warranty: 5 Years



LL300N features a strong metal sunshade

HL450 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 RC601 Remote Control allows easy slope matching



HL450 Receiver and C45 rod clamp included (Other configurations are also available.)



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

Standard case with laser and receiver only also available.



Contact Information:

NORTH AMERICA

Trimble - Spectra Precision Division
5475 Kellenburger Road • Dayton, Ohio 45424 • USA
Toll Free +1-888-272-2433 • Fax +1-937-245-5489
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
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