

# 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-ongrade. 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 ( $\pm 2.2$  mm at 30 m)  
Operating Range: 1,650 ft (500 m) diameter  
Self-leveling Range:  $\pm 5$  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.



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To locate your nearest distributor, please visit the Dealer Locator section at [www.spectralasers.com](http://www.spectralasers.com) or [www.trimble.com](http://www.trimble.com)  
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