**The Toughest Laser Level You’ll Ever Own**

**Built for General Contractors who Need Accuracy, Ease of Use and Durability**

The automatic, self-leveling Spectra Precision® LL300 from Trimble 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 LL300 laser delivers consistently reliable and accurate performance, enabling you to work faster and smarter. More contractors around the world use Spectra Precision lasers to increase construction job site productivity and profitability than any other brand. Each laser comes with the solid dependability that has made the Spectra Precision name the standard in the industry.

**Rugged Construction Combined with Precise Accuracy and Ease of Use**

We understand that those in the construction and concrete business are looking for products that are durable and reliable, day in and day out. The LL300 rotating laser is designed with your needs in mind. The result is a product that can be operated in the rain and provides superior drop and weather protection. The rugged LL300 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 LL300 laser’s self-leveling capability and optional RC601 remote control result in outstanding accuracy and ease of use. Since the LL300 laser levels itself when turned on, setup is easy with fewer controls to deal with.

**Choice of Receiver**

Choosing the right receiver ensures maximum performance from the LL300 laser. You can customize the LL300 laser to your specific application needs with a choice of the HL450 or CR600 receiver.

**HL450 Laserometer**

The HL450 features a digital readout of elevation that provides a numeric display of ±1.5 inches or ±38 mm. The readout is displayed on the large front and rear LCD’s and shows exactly how far the elevation is from on-grade. The HL450 has a large 4 inch (102 mm) reception height for quick beam acquisition. An anti-strobe sensor prevents construction site strobe lights from setting it off.

**CR600 Receiver**

The Spectra Precision CR600 receiver is ideal for longer range leveling and basic machine control applications. In addition to use as a handheld and rod-mounted unit, the CR600 receiver can be mounted on a backhoe, small excavator or skid steer for machine control with 270° reception. It provides highly visible high, low or on-grade information.

**LL300 Applications**

- Elevation control across the construction site
- Excavations
- Basic slopes
- Leveling forms and footers
- Concrete pours
- 1 m (4 ft) marks
LL300 Laser Features & Benefits

- Increases productivity with fast setups, fewer controls, and automatic self-leveling
- Maintains performance even in rainy, dusty and other harsh job site and weather conditions
- Durable design reduces downtime due to drops and tripod tipovers
- Minimizes power costs, increases reliability with choice of rechargeable or alkaline batteries
- Increases flexibility with remote control slope option
- Customizable to your needs with choice of two receivers

LL300 Laser Specifications

- Laser Source: 635 – 670 nm visible, Class 3A/3R
- Laser Accuracy: 3/32 in per 100 ft (2.2 mm per 30 m)
- Operating Receiver Range (Diameter): 1,300 ft (400 m)
- Self-Leveling Range: ±5º with HL450 or CR600 Receiver
- Compensation Method: Electronic Self Leveling
- Battery Life: Rechargeable: 45 hours, Alkaline: 90 hours
- Rechargeable Battery Recharging Time: Less than 10 hours
- Auto Shut-Off: 30 minutes
- Size: 9.6L × 6.5W × 7.3H in (24.5L × 16.5W × 18.5H cm)
- Weight: 6 lbs (2.7 kg)
- Water-Resistant: IP54
- Storage Temperature: –4 ºF to 158 ºF (–20 ºC to +70 ºC)
- Operating Temperature: –4 ºF to 122 ºF (–20 ºC to +50 ºC)
- Tripod Mount (Horizontal and Vertical): 5/8”–11
- Rotation Speed: 600 rpm
- Machine Fine: 3/8 in (10 mm)
- Machine Coarse: 1 in (25 mm)
- Battery Life (AA-3): 100 hours
- Machine Control Compatible: Yes
- External Remote Control (Operating Range): 160 ft (up to 50 m)
- Out-of-level warning: Yes
- Out-of-level (HI)-Warning: Rotor stops, red LED blinks
- Out-of-level LED blinks
- On-Grade sensitivities: Fine 1/16 in / 0.05 in / 1 mm, Medium 1/8 in / 3 mm, Coarse 1/4 in / 6 mm

HL450 Laserometer Specifications

- Reception Height: 3 inches (76 mm)
- Digital Readout Height: 4 inches (102 mm)
- On-Grade sensitivities: Fine 0/16 in / 0.05 mm / 1 mm, Medium 0/16 in / 0.20 mm / 5 mm
- Operating Range (Diameter): 1,300 ft (400 m)
- Number of Display Channels: 21
- Decibel Level: Low 65 / Loud 100 dBa
- Low Battery Warning: Yes
- Battery Life (AA-2): 70 hours
- Auto Shut-Off: 30 minutes
- Drop Capable on Concrete: 5 ft (1.5 m)
- Waterproof: 100% (IP67)
- Weight (without clamp): 13.1 oz (371 g)
- Warranty: 3 Years
- Auto Shut-Off: 30 minutes
- Weight (without clamp): 12 oz (340 g)
- Displays: Large Front LCD, Ultra Bright Front LED Clusters
- Reception Angle: 270°
- Out-of-level warning: Yes
- Waterproof: 100%
- Warranty: 2 Years
- Auto Shut-Off: 30 minutes
- Weight (without clamp): 12 oz (340 g)
- Displays: Large Front LCD, Ultra Bright Front LED Clusters
- Reception Angle: 270°
- Out-of-level warning: Yes
- Waterproof: 100%
- Warranty: 2 Years

CR600 Receiver Specifications

- Seven On-Grade Sensitivities: Fine 3/32 in (1.0 mm), Super Fine 1/32 in (0.8 mm), Ultra Fine 0.004 in (0.1 mm)
- Medium 1/8 in (3 mm), Coarse 1/4 in (6 mm)
- Machine Fine: 3/8 in (10 mm), Machine Coarse: 1 in (25 mm)
- Operating Range (Diameter): 1,300 ft (400 m)
- Operating Temperature: –4 ºF to 122 ºF (–20 ºC to +50 ºC)
- Number of Display Channels: 15 (Linear)
- Battery Life (AA-3): 100 hours
- Auto Shut-Off: 30 minutes
- Weight (without clamp): 12 oz (340 g)
- Displays: Large Front LCD, Ultra Bright Front LED Clusters
- Reception Angle: 270°
- Out-of-level warning: Yes
- Waterproof: 100%
- Warranty: 2 Years
- Auto Shut-Off: 30 minutes
- Weight (without clamp): 12 oz (340 g)
- Displays: Large Front LCD, Ultra Bright Front LED Clusters
- Reception Angle: 270°
- Out-of-level warning: Yes
- Waterproof: 100%
- Warranty: 2 Years

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