## **LL500** Applications

- Checking and adjusting elevations
- Taking grade shots
- Excavating cutting depth

Spectra Precision Laser LL500

- Basement excavation
- Digging septic tanks
- Checking foundations
- Digging footings
- Setting forms
- Checking sub-base materials
- Screeding concrete
- Slope on grade

## Rugged, Reliable Laser Leveling Systems

## Setting the Industry Standard

Accurate, stable and very reliable, the Spectra Precision<sup>®</sup> Laser LL500 is the ideal one-person leveling system for a range of everyday elevation measurements on the construction site.

Designed for use on the jobsite, and reliability even in the harshest of conditions, today more contractors around the world use Spectra Precision Lasers to increase productivity and profitability.

## **One Laser Levels Your Entire Work Area**

The LL500 transmitter sends a continuous, selfleveled 360-degree laser reference over a work area, up to a 500-meter (1,600-foot) diameter. With the LL500, you can perform any two-person leveling task with just one person. Simply set up the laser transmitter anywhere on your job site; it transmits a laser beam to provide an elevation reference that can be picked up by one or more laser receivers, including our innovative HR550 or CR600, whether they are handheld, attached to a grade rod or mounted on a machine.

## HR550 Receiver

The Spectra Precision Laser HR550 receiver is ideal for use with the LL500 transmitter. This flexible and highly innovative receiver can be used either as a hand-held or rod-mounted unit. The HR550 features a unique anti-strobe sensor that stops construction lights from setting off the receiver, and makes it easier to identify true laser beam signals. The rugged, weatherproof housing withstands a drop of up to 3 m (10 ft) onto concrete. The highly visible LED display and dualsided laser reception allow you to work anywhere.



### **CR600 Receiver**

Another receiver option is the Spectra Precision Laser CR600. In addition to handheld and rodmounted capabilities, the CR600 can be used as a machine-mounted receiver with 270-degree reception and a highly visible display for use on a backhoe, small excavator or skid steer. Improving accuracy, safety and efficiency, the CR600 delivers grade information to the operator right in the cab.

## LL500 Benefits

- Meets your toughest accuracy requirements.
- Reduces the amount of time required for each grade shot, so more grade shots are taken for increased accuracy.
- Eliminates rework caused by miscommunication or out-of-level instruments with built-in out-oflevel warning and shut-off.
- Immediately locates the laser plane with the visible spotting beam.

# **Spectra Precision Laser LL500**

## **Rugged, Reliable Laser Leveling Systems**



### **LL500 Laser Specifications**

	± 11 arc minutes
	Wire Hung, Air Damped
Accuracy	±10 arc seconds,
	1.5 mm at 30 m (1/16 in at 100 ft)
Laser Type	670 nm visible, Class II
Machine Control CompatibleYes	
Warranty	
Solar Power Option	Yes
Battery Life 20°C (68°F)	
	80 hrs, Ni-Cad (4.4 Ahr) 27 hrs
Operating Diameter	500 m (1,600 ft)
Operating Temperature	20°C to 50°C(-4°F to 122°F)
Weight	
Tripod Mount	

#### **HR550 and CR600 Receiver Features**

1. 15-channel linear LCD display allows for fast,accurate readings and easy fixed offsets.

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- Simultaneous 5-channel green and red LED display ensures that information can be read even in poor light, over long distances, and at an angle.
- 3. Dust and waterproof housing can withstand a drop of up to 3 m (10 ft) onto concrete.
- 4. The HR550 features dual-sided photocells which let you receive the beam from multiple directions and maintain convenient control and view of the receiver
- The CR600 wraparound receiver cells offer continuous pickup through an operating range of 270° for reduced setups and improved productivity, especially in machine applications.

### **HR550 Receiver Specifications**

Five On-Grade Sensitivities Ultra Fine 0.1 mm (0.004 in)
Super Fine 1.0 mm (1/32 in)
Fine 1.5 mm (1/16 in)
Medium 3 mm (1/8 in)
Coarse 6 mm (1/4 in)
Operating Temperature20°C to 50°C (-4°F to 122°F)
Battery Life (AA-2)100 hours at normal operation
Auto Shut-Off
Weight 0.27 kg (9 1/2 oz)
Reception Angle
Anti-strobe sensorYes
Dust and WaterproofYes



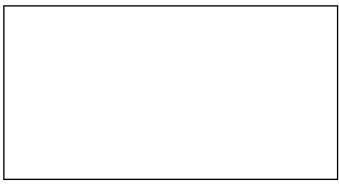
### **CR600 Receiver Specifications**

Seven On-Grade Sensitivities Ultra Fine 0.1 mm (0.004 in)
Super Fine 1.0 mm (1/32 in)
Fine 1.5 mm (1/16 in)
Medium 3 mm (1/8 in)
Coarse 6 mm (1/4 in)
Machine Fine 10 mm (3/8 in)
Machine Coarse 25 mm (1 in)
Operating Temperature20°C to 50°C (-4°F to 122°F)
Battery Life (AA-3)100 hours at normal operation
Auto Shut-Off
Weight 0.5 kg (1.1 lb)
Reception Angle
Dust and Waterproof

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YOUR LOCAL SPECTRA PRECISION LASER REPRESENTATIVE

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