

LL1505C

Applications

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



Full Featured Horizontal Laser with Manual Slope



The automatic, self-leveling Spectra Precision® LL1505C Laser Level is the most rugged laser level available, tough enough to handle a wide variety of general and concrete construction applications. The rugged laser can withstand drops of up to 1 meter (3 feet) onto concrete and tripod tip overs up to 1.5 meters (5 feet). This strength, combined with full weatherproofing and dustproofing, reduces downtime and lowers repair costs over the life of the product.

The laser has Bluetooth® built in so it can be controlled with your smartphone with the Spectra Precision Laser Remote App. This eliminates the extra cost of the remote control.

When used with the advanced HL760 Digital Readout receiver, the LL1505C provides Plane Match which allows control of grade between two points over unknown ground and eliminates time consuming slope calculations.

Key Features

- Automatic self-leveling - horizontal & vertical
- Accuracy 1.5mm / 30m (1/16 inch / 100 ft)
- Working range of 1200m (4,000 ft) diameter with HL760 receiver
- Bluetooth connection allows laser control with a smartphone
- Height of Instrument Alert - unit stops rotating when jarred to avoid erroneous readings
- Simple keypad for easy grade matching
- Selectable rotation speed is ideal for working with machine mounted receivers
- Power versatility - charge the batteries inside or outside the laser. Alkaline batteries can also be used
- Extremely durable and portable
- 5 Years warranty

User Benefits

- Single person manual slope control
- Complete kit available and fits in one case with tripod and grade rod
- Energy-efficient design offers long battery life
- Highly durable design able to survive a drop up to 1m (3 feet) onto concrete
- Remote control or remote control app allows operation of laser functions from anywhere on the jobsite



Your Horizontal Laser Connection

LL1505C Laser Specifications

Leveling Accuracy ^{1,2} , horizontal	± 1,5mm / 30m; 1/16 in @ 100ft; 10 arc seconds
Rotation Speed ¹	300, 600, 900 rpm
Operational Diameter ^{1,3} with HL760	Typ. 1200 m (4000 ft)
PlaneMatch Distance	Typ. 80 m (260 ft)
Laser Type	630 – 643 nm
Laser Class	Class 2
Self-Leveling Range	Typ. ± 5° (± 8.7%)
Radio Range (HL760) ^{1,3,4}	Up to 100m (330 ft)
Operating Temperature (inside product temperature)	-20°C to +50°C (-4°F to +122°F)
Storage Temperature	-25°C to +70°C (-13°F to +158°F)
Power Source	10000mAh NiMH battery back or 4 x 1.5V D alkaline batteries
Battery Lifetime (NiMH)	Up to 55 hours
Battery Charging Time	< 10 hours
Battery Charging Temperature	5°C to +40°C (+41°F to +104°F)
Charger Input Voltage	100V-240VAC ± 10%, 50 Hz – 60 Hz
Tripod Attachments	5/8 x 11 horizontally and vertically
Dust and Water Proof (IP)	IP66
Weight	3.49 kg (7.7 lbs) (incl. Battery pack)
Product Dimensions	240mm x 280mm x 180mm (9.45 in x 11.02 in x 7.09 in)



An enclosed lighthouse provides exceptional ruggedness and environmental protection



HL760 or HL450
Digital Readout
Receiver options



System case packages available
that hold laser and accessories

HL760 / HL450 Receiver Specifications

	HL760	HL450
Operating range, diameter ^{1,3,4,5}	Up to 1200 m (4000 ft)	Up to 800 m (2600 ft)
Laser Detection Height	127 mm (5.0 in)	102 mm (4.0 in)
Accuracy selections	5	2
Battery life ¹ (2 x 1.5V "AA")	Typ. 60+ hours	Typ. 70+ hours
Warranty	3 Years	3 Years
Dust and Water proof	IP67	IP67

¹ at 21°C/70°F

² along the axis

³ under optimal atmospheric conditions

⁴ when product is setup at a min. height of 1 m / 3 ft.

⁵ laser dependent



Laser Remote App
puts the remote on
your device



Optional RC1402
Remote Control for easy
single person slope matching

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To locate your nearest distributor, please visit the Dealer Locator section at www.spectraprecision.com
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