

Productivity Is The Right Tool For The Job... From The Deepest Tool Box In The Laser Business.



CONSTRUCTION LASERS AND RECEIVERS



**FOUND ON MORE JOBSITES
THAN ANY OTHER LASER BRAND.**



TOUGHEST ON EARTH • STRONGEST WARRANTY • EASIEST TO USE

TOUGHEST ON EARTH

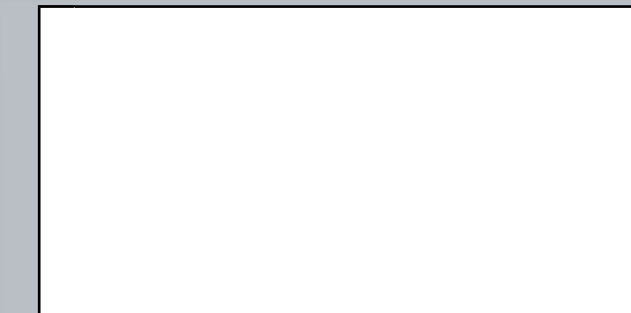
Well known for their innovative features and rugged dependability, Spectra Precision Lasers are used by more construction professionals around the world than any other brand.

EASIEST TO USE

Spectra Precision Lasers are engineered with state-of-the-art components, giving you the most dependable, easiest to use, laser on the job site. Spectra Precision Lasers are always ready to work when you are.

BEST SUPPORT

Each Spectra Precision Laser is built with the user in mind. That is why we test and retest every laser we manufacture to assure you the most dependable, accurate laser in the world. Backed by the world's largest network of repair centers, Spectra Precision Lasers are unmatched for service, support and dependability.



YOUR LOCAL SPECTRA PRECISION LASER DEALER



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Model	Accuracy	Diameter Range	Applications
Laser Levels			
LL200 	±2.2 mm @ 30 m (±3/32 in @ 100 ft)	≤300 m (≤1,000 ft)	<ul style="list-style-type: none"> Forms, footings and foundations (residential jobs) Septic tank or swimming pool installations Estimating cut and fill Decks and terraces
LL300 	±2.2 mm @ 30 m (±3/32 in @ 100 ft)	300 m (1,000 ft)	<ul style="list-style-type: none"> Elevation control across small- and mid-size construction sites Excavations Basic slopes Leveling forms and footers Concrete pours 1 m (4 ft) marks
LL400 	±1.5 mm @ 30 m (±1/16 in @ 100 ft)	800 m (2,600 ft)	<ul style="list-style-type: none"> Checking/setting elevations, concrete forms, footings, and foundations for large commercial jobs Basic slope work such as foundations for small-to-large site prep work Excavating for forms or footers with CR600 receiver Sub-base leveling with skid steer loaders and CR600 receiver Long range machine control applications
LL500 	±1.5 mm @ 30 m (±1/16 in @ 100 ft)	500 m (1,600 ft)	<ul style="list-style-type: none"> Checking elevations Setting concrete forms, footings, and foundations (small-to-large jobs) Ideal for larger pads Machine control compatible

Grade Lasers			
GL412 	±1.5 mm @ 30 m (±1/16 in @ 100 ft)	600 m 2000 ft	<ul style="list-style-type: none"> Leveling concrete forms and footers Vertical alignment and plumb such as anchor bolt and form alignment Single slope grading and excavating applications
GL422 	±1.5 mm @ 30 m (±1/16 in @ 100 ft)	800 m 2600 ft	<ul style="list-style-type: none"> Steep slope road embankments and ditch banks Parking garages, ramps and drainage Grading sports fields, tennis courts and driveways Dual slope grading applications

Horizontal/Vertical			
HV101 	±3 mm @ 30 m (±1/8 in @ 100 ft)	Receiver: 300 m (1000 ft) Visible: 60 m (200 ft)	<ul style="list-style-type: none"> Interior and exterior light commercial and residential construction Leveling and aligning of interior walls and ceilings Exterior elevation checking and interior finishing work
HV301 	± 2.2 mm @ 30 m (± 3/32 in @ 100 ft)	Receiver: 300 m (1000 ft) Visible: 100 m (330 ft)	<ul style="list-style-type: none"> Interior and exterior light to medium commercial and residential projects Leveling and aligning of forms and footers Leveling and aligning walls, ceilings, and raised floors Interior finishing work
HV401 	±1.5 mm @ 30 m (±1/16 in @ 100 ft)	Receiver: 600 m (2000 ft) Visible: 200 m (660 ft)	<ul style="list-style-type: none"> Interior wall and drop ceiling installation Cut and fill measurements Layout and excavation lines As-built checks Interior and exterior small-to-large commercial and residential projects

	Laser Levels				Grade Lasers		Horizontal and Vertical Lasers		
	LL200	LL300	LL400	LL500	GL412	GL422	HV101	HV301	HV401
Laser type / classification	780 nm IR, Class 1	635 - 670 nm visible, Class 3A/3R	650 nm visible, Class 2	670 nm, Class 2	650 nm, Class 2, 3 mW	635 nm, Class 3A/3R, <5 mW	635 nm, Class 3A/3R, <5 mW	635 nm, Class 3A/3R, <5 mW	635 nm, Class 3A/3R, <5 mW
Self-leveling range	±30 minutes	±5 degrees electronic servo self-leveling	±5 degrees electronic servo self-leveling	±11 minutes	±5 degrees electronic servo self-leveling	±5 degrees electronic servo self-leveling	±5 degrees electronic servo self-leveling	±5 degrees electronic servo self-leveling	±5 degrees electronic servo self-leveling
Out-of-level indication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Power source	1 x 1.5 V D-cell Alkaline battery	4 x D-cell Alkaline standard, NiMH optional	4 x D-cell Alkaline standard, NiMH optional	4 x D-cell Alkaline standard, Ni-Cad/ NiMH optional	4 D-cell NiMH standard, Alkaline backup	4 D-cell NiMH standard, Alkaline backup	2 x D-cell Alkaline	4 x 1.5 V D-cell NiMH batteries, Alkaline backup	4 D-cell NiMH standard, Alkaline backup
Battery life	100 hr Alkaline	90 hr Alkaline, 45 hr NiMH	90 hr Alkaline, 55 hr NiMH	175 hr Alkaline, 100 hr NiMH 75 hr Ni-Cad	90 hours Alkaline 55 hours NiMH	90 hours Alkaline 55 hours NiMH	50 hours Alkaline	90 hr Alkaline, 45 hr NiMH	90 hr Alkaline, 55 hr NiMH
Automatic shutoff (for saving battery when not in use)	Yes	No	Yes	No	Yes	Yes	Yes	No	Yes
Warranty duration	12 months	12 months	24 months	24 months	24 months	24 months	36 months, limited	12 months	24 months

Laser Pointers, Line Generator, and Handheld Distance Measuring Device				
	LP Series	LG2	LG20	HD50
Leveling method	Self-leveling	N/A	Self-leveling	N/A
Out of level indicator	Yes	N/A	YES	N/A
Working range	30 m (100 ft) visual	16 m (50 ft) nominal up 30 m (100 ft) depending on light conditions	30 m (100 ft) visual, 75 m (250 ft) with the HR250 receiver	50 m (165 ft)
Accuracy	6 mm @ 21 m (1/4 in @ 70 ft) for up beam, 6 mm @ 30 m (1/4 in @ 100 ft) for level and square beams, 1 mm @ 0.5 m (1/16 in @ 2.5 ft) for down beam	6 mm @ 15 m (1/4 in at 50 ft)	6 mm at 21 m (1/4 in at 70 ft) level and vertical beams	1.5 mm (1/16 in)
Warranty	1 year parts and labor / 2 additional years of Service Protection Plan, 3 total plan years			

Optical Auto Levels				
	AL220	AL224	AL228	AL232
Magnification	20x	24x	28x	30x
Accuracy	±2.5 mm (0.1 in)*	±2.0 mm (0.08 in)*	±1.5 mm (0.05 in)*	±1.0 mm (0.03 in)*
Aperture	30 mm (1.2 in)	30 mm (1.2 in)	36 mm (1.4 in)	36 mm (1.4 in)
Shortest focus	0.6 m (2 ft)	0.6 m (2 ft)	0.6 m (2 ft)	0.6 m (2 ft)
Compensator	Air dampened	Air dampened	Air dampened	Air dampened

*Note: Standard deviation according to DIN 18723 on one kilometer of double leveling

LL200

LL300

LL400

LL500

AL220 / AL224 / AL228 / AL232

HD50

Complete system in one case— includes laser, HR250 receiver, rod, and tripod


- » Convenient storage and transportation.

Compensated self-leveling, maintains level automatically

- » Maintains accuracy over the entire work area, and minimizes errors.

100 hour battery life from one D-Cell battery

- » No downtime due to power loss, and minimal operating costs.



Rugged design with "hard hat" rotor protection


- » Superior drop and weather protection.

Fully automatic self-leveling

- » Provides fast and accurate set-up.

Extremely versatile with single-axis manual slope

- » Cross-axis self-leveling allows for grade matching on the job site.



Fast setup and automatic self-leveling


- » Minimizes operating costs and boosts productivity.

Highly rugged design and patented lighthouse seal

- » Superior drop and weather protection.

Single-axis slope mode

- » Provides grade matching with self-leveling cross axis.



500 m (1,600 ft) working diameter


- » Long-range accurate laser increases productivity by reducing the need for multiple setups on large job sites.

Built-in leveling system with out-of-level shut off

- » Maintains accuracy over the entire work area, and minimizes errors.

High accuracy laser, 1.5 mm per 30 m (1/16 per 100 ft) with temperature compensation

- » Highly stable and repeatable accuracy even under large temperature changes.



Air dampened compensators


- » Superior accuracy and stability.

Built-in angle circle

- » Allows level to be used for turning basic angles. No other instruments needed for basic short-range alignments.

Bubble mirror

- » Easy to see and level regardless of auto-level position.



Distance measurement laser

- » Fast and accurate distance measurement with handheld convenience.

Designed for safety

- » No physical contact to target is required. Safe for hard-to-reach or hazardous locations such as elevator shafts or tunnel cross-sections.

Long-range capability

- » Measure distances accurately up to 50 m (165 ft).



HV101

HV301

HV401

GL412/422

LP20

LP40

Bright beam, scanning and variable speed control

- » Suitable for shorter range interior jobs

Automatic self-leveling in both horizontal and vertical

- » Simple controls provide quick one touch setups.
- » Simultaneous 90-degree split beam
- » Ideal for layout of walls and framing.



Composite material housing is rugged, lightweight and weatherproof

- » Easy for contractor to carry and use in demanding jobsite conditions, less downtime for repair.

Fully automatic self-leveling in both horizontal and vertical

- » Provides fast and accurate setup in horizontal and vertical.

Highly visible beam and superior scanning functions

- » Increased beam visibility for mid-range interior layout and aligning.



Fast setup and automatic self-leveling

- » Minimizes operating costs and boosts productivity.

Powerful, bright visible beam for large projects

- » Provides permanent, hands-free reference for multiple users.

Temperature calibrated accuracy

- » Consistent performance over the entire job site.



Fully automatic self-leveling performs three jobs cost effectively

- » Level, -10 to +15% grade, and vertical alignment with plumb

Full function remote control does everything you can do at the laser keypad

- » Make grade changes from anywhere on the job reducing setup times

Automatic temperature and grade compensation

- » High accuracy in any weather



Two beam pocket laser


- » Plumb up and down beams for use in transferring points and checking plumb for interior wall installation.

Superior beam visibility and dampening

- » Provides a highly visible beam that quickly self-levels even in high vibration environments.

High durability and IP54 sealing

- » Ability to withstand up to a 1 m (3 ft) drop on concrete means minimal downtime for repairs and the unit even works in the rain.



Four beam self-leveling pocket laser

- » Plumb up, down, level and square beams that are self-leveling making it easy to set up and use.

Unmatched durability

- » Can take up to a 1 m (3 ft) drop onto concrete and still provide precise jobsite accuracy.

Maximum versatility for interior applications

- » With four beams the LP40 is ideal for installation of overhead fixtures, truing walls, installing cabinets, and finished interior carpentry.

Available with accessory pack that includes universal clamp, target, and case.



HR150

THUNDER

HR350

HR550

STORM

CR600

LG2


LG20

Cost-effective versatility

- » An entry-level receiver used for shorter range indoor and outdoor applications

Interior Features

- » Built in magnet and LED's make it optimal for interior ceiling installation and layout applications.




Compact Design

- » Simple one button design is easy to operate making it ideal for an add on or backup receiver.

Exterior Features

- » Loud beeper can be heard on noisy sites and waterproof construction ensure it holds up in tough environments.




Precise reliability

- » Dual front/back LCD displays and 3 front LEDs with green on-grade provide easier reading in low light.

Easy to use

- » Quick Clamp feature allows attachment or detachment of receiver to/from rod with one hand and no screws.




Dual-sided photocells

- » Allow receipt of the laser beam from multiple directions, ensuring you can control and view the receiver from convenient locations on your job site.

Anti-strobe sensor

- » Eliminates false signals from construction strobe or rotating lights, preventing errors and getting you to grade faster.



Digital readout of elevation

- » Readout tells how far from on-grade the laser is without having to move the clamp on the rod. Increases efficiency and productivity.

Large beam capture height

- » 12 cm (5 inch) beam capture height makes it easy to acquire and stay in the beam.




Machine mounting options

- » Can be used as a machine-control mounted receiver using the included magnetic mount.

An innovative alternative

- » Provides high, low, or on-grade information for all your grading and excavation applications up to 460 m (1,500 ft) radius.



Dual-beam laser

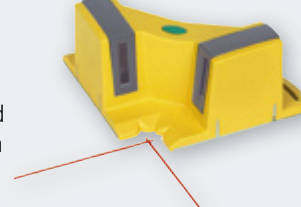
- » Generates two simultaneous laser lines on floor, easily creates angles of 90, 67.5, 45 and 22.5 degrees with built-in protractor.

Layout applications

- » Ideal for tile, stone, brick, carpet, hardwood flooring, interior walls, and other surface layout and squaring applications.

Versatility

- » Unlike chalk lines, laser lines project over wet mastic or concrete.



Self-leveling horizontal and vertical Crossbeam Generator

- » Used for line, level and vertical plumb applications
- » Ideal for the building of interior walls (drywall track installation), level and plumb alignment of doors, windows, cabinets, and chair rails, etc. The laser is also used for short range exterior leveling and alignment with the HR250 receiver.

Superior beam visibility and versatility

- » Features the industry's brightest Crossbeam Generator with a biased upwards beam for easy-to-see lines for fast alignment and layout.
- » Uses optional HR250 Receiver.

