

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



Construction Lasers and Receivers

GET MORE FROM THE LEADER ...



CONSTRUCTION TOUGH
EASIEST TO USE
BEST SUPPORT

CONSTRUCTION TOUGH

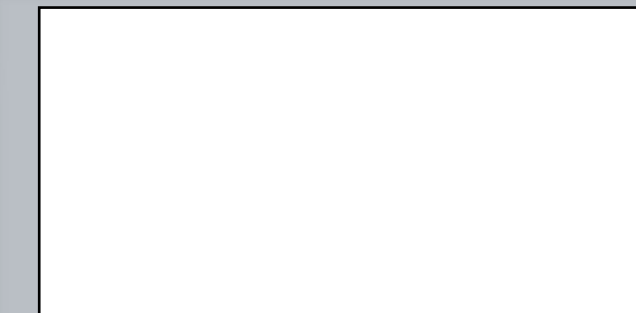
Well known for their innovative features and rugged dependability, Spectra Precision Lasers are used by more construction professionals around the world than any other brand.

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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	Laser Levels				Horizontal and Vertical Lasers			
	LL200	LL300	LL400	LL500	1422	HV201	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	635 nm, Class 3A/3R	635 nm, Class 2 1mW	635 nm, Class 3A/3R 3mW	635 nm Class 3A/3R 4.99 mW maximum
Self-leveling range	±30 minutes	±5 degrees electronic servo self-leveling	±5 degrees electronic servo self-leveling	±11 minutes	N/A	±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	No	Yes	Yes	Yes
Power source	1 x 1.5 V D-cell Alkaline battery	4 x D-cell Alkaline/ or optional Ni-Cad batteries	4 x D-cell Alkaline standard, NiMH optional	4 x D-cell Alkaline/ or optional Ni-Cad batteries	2 x 1.5 V D-cell Alkaline batteries	4 x 1.5 V C-cell Ni-Cad batteries, Alkaline backup	4 x 1.5 V D-cell Ni-Cad batteries, Alkaline backup	4 D-cell NiMH standard, Alkaline backup
Battery life	100 hr Alkaline	90 hr Alkaline, 45 hr Ni-Cad	90 hr Alkaline, 55 hr NiMH	80 hr Alkaline, 27 hr Ni-Cad	40 hr Alkaline	25 hr Alkaline, 12 hr Ni-Cad	40 hr Alkaline, 30 hr Ni-Cad	90 hr alkaline, 55 hr NiMH
Automatic shutoff (for saving battery when not in use)	Yes	No	Yes	No	No	No	No	Yes
Warranty duration	12 months	12 months	24 months	24 months	12 months	12 months	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

Model	Horizontal Accuracy	Diameter Range	Application
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	±2.6 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

Horizontal/Vertical			
1422	±8 mm @ 30 m (±5/16 in @ 100 ft)	Receiver: 200 m (660 ft) Visible: 60 m (200 ft)	<ul style="list-style-type: none"> Checking elevations of sub-based & sub-grade Locating finished floor levels Laying out interior walls Installing ceiling grids
HV201	±4.4 mm @ 30 m (±3/16 in @ 100 ft)	Receiver: 200 m (660 ft) Visible: 50 m (160 ft)	<ul style="list-style-type: none"> Interior and exterior, light commercial, and residential construction Leveling and aligning of forms and footers Leveling and aligning of interior walls Installation of ceilings Interior finishing work
HV301	±3 mm @ 30 m (±1/8 in @ 100 ft)	Receiver: 300 m (1000 ft) Visible: 100 m (330 ft)	<ul style="list-style-type: none"> Interior and exterior small- and mid-size commercial and residential projects Leveling and aligning of forms and footers Leveling and aligning of interior walls Installation of 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"> Wall installation Drop ceilings Cut and fill measurements Layout and excavation lines As-built checks Interior and exterior small-to-large commercial and residential projects

1422

Manually leveled laser, with large leveling vials

- » Easy to set up and adjust even in awkward locations.

Horizontal or vertical rotating laser beam

- » Allows control of elevation or alignment.

Beam 'scan' feature for increased visibility

- » Provide a brighter line where it is needed so you can take faster shots.



HV201

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.

Visible beam and scanning functions

- » Easier shorter range and interior layout and aligning.



HV301

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.



HV401

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.



AL220 / AL224 / AL228 / AL232

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.



HD50

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).



LL200

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.



LL300

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.



LL400

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.



LL500

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.



LP20

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.



LP40

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 *Ideal for smaller job sites***Rugged construction**

- » Composite material housing is rugged yet lightweight. Can survive a drop of up to 1.5 m (5 ft) on to concrete, is easy to carry and performs well in harsh environments.

Cost-effective versatility

- » As an entry-level receiver that can be handheld, rod-mounted or magnet-mounted for a variety of indoor and outdoor applications, the HR150 delivers cost-effective versatility.

Easy to use

- » Quick Clamp and other features make the HR150 quick, convenient and easy to use.

HR350 *Ideal for small-to-mid-size job sites***Precise reliability**

- » A smart choice for exterior and interior leveling and alignment tasks in residential and light commercial construction.

Heavy-duty construction

- » Meets IP67 standards, extremely resistant to water and dust, and can survive a drop of up to 1.5 m (5 ft) to a hard surface.

Easy to use

- » Quick Clamp feature allows attachment or detachment of receiver to/from rod with one hand and no screws. Dual front/back LCD displays and 3 front LEDs with green on-grade provide easier reading in low light. Plus, the loud 100 db speaker can easily be heard on the loudest sites.

HR550 *Ideal for small-to-larger job sites***Linear LCD display**

- » 15-channel linear display allows fast, accurate readings and easy fixed offsets, eliminating the need to get "on-grade" to make measurements.

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.



CR600

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.

More mounting options

- » In addition to handheld and rod-mounted capabilities, the CR600 can be used as a machine-control mounted receiver.

Highly visible

- » Super-bright LED display that can be seen by a machine operator.



LG2

Dual-beam laser

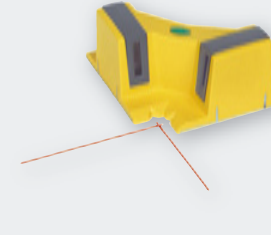
- » Generates two simultaneous laser lines on floor, easily creates angles of 90, 67.5, 45 and 22.5 degrees with built-in protractor.

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.



LG20

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.

