

HV301 Applications

Interior

- Acoustical ceiling installation
- Drywall installation
- Squaring/layout
- Interior finishing work

General Construction

- Residential construction
- Small-to-medium commercial construction
- Leveling
- Squaring/layout
- Vertical alignment
- Plumb

Spectra Precision HV301



Multipurpose Construction Laser for Interior and Exterior Applications

Tough, Highly Versatile Interior and General Construction Laser

The automatic, self-leveling Spectra Precision® HV301 laser is an economical laser with exceptional versatility and visibility. Whether your job is indoors or outdoors, the HV301 laser handles a wide variety of horizontal, vertical and plumb applications, as well as interior applications with a high-visibility beam enabling simultaneous rotating and 90-degree references. The HV301 laser beam is easy to see in any interior jobsite conditions.

The HV301 laser transmitter sends a continuous, self-leveled 360-degree laser reference over your entire work area. Designed to be used by any contractor, anywhere, the HV301 laser is easy to set up and use and is rugged enough for the toughest job site. Intuitive controls allow operators to carry out many functions with simple "one-touch" commands. Highly durable construction and IP54 sealing enable the HV301 laser to survive a drop of up to 1 meter (3 feet) onto concrete and to be unaffected by dust or moisture.

The HV301 Laser Interior Package includes:

- HV301 Laser
- 360-degree IR remote control
- Rechargeable batteries and charger
- Wall mount
- Ceiling target
- Operator's manual
- Hard carrying case



The HV301 Laser General Construction Package includes:

- HV301 Laser
- HL450 Laserometer
- Rechargeable batteries and charger
- Operator's manual
- Hard carrying case

Additional accessories are available for added versatility and increased jobsite productivity.

Spectra Precision HR150 Receiver for Interior Construction

The HR150 receiver features a built-in magnet and mounts to grid or track. The dual LED displays with green on-grade can be easily seen in brightly lit indoor or outdoor applications such as soffit, curtain-wall, or glazing.

Spectra Precision HL450 Laserometer for General Construction

The HL450 features a digital readout 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.



Spectra Precision HV301



Maximum Versatility in Interior and General Construction Applications

HV301 Laser Features

- High durability with IP54 sealing
- Automatic self-leveling for level and plumb
- Temperature compensation for accurate outdoor use regardless of season
- Highly visible beam
- Flexible power options and battery recharge port
- Intuitive, one-touch operator controls
- Built-in vertical stand and 5/8" x 11" H/V mounting
- Manual slope control to match known references
- Wall mount feature allows vertical setups with no extra accessories

HV301 Laser Specifications

Laser source	<5 mW nominal
Laser accuracy	±3/32 in at 100 ft (±2.2 mm at 30 m) (±15 arc seconds)
Temperature compensation	Yes (2 arc seconds / °C)
Self-leveling range	±5 degrees
Compensation method	Electronic self-leveling
Power source	Rechargeable or alkaline batteries
Battery life	40 hours rechargeable, 90 hours alkaline
Battery Status LED	Flashing red LED
Battery recharging time	Less than 10 hours
Rotation speed	Four preset speeds from zero to 600 rpm
Out-of-level warning	Rotor stops, laser shuts off, red out-of-level LED flashes
Operating temperature	-20 °C to 50 °C (-4 °F to 120 °F)
Storage temperature	-20 °C to 70 °C (-4 °F to 158 °F)
Warranty	2 years
Water resistant	Yes, and IP54 sealing
Size	24.5L x 16.5W x 18.5H cm (9.6L x 6.5W x 7.3H in)
Weight	2.7 kg (6 lbs)



HR150 Receiver included with combo package



RC601 Remote included with interior and combo package



HL450 Laserometer included with GC package

HR150 Receiver Features

- Rugged, water-resistant composite housing improves performance in tough jobsite conditions
- Visible operation, day or night, in any conditions with Red HI/LOW LEDs and green on-grade

HL450 Laserometer Features

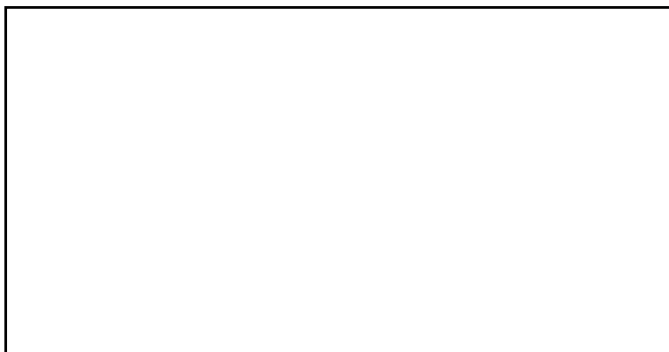
- Digital readout of elevation shows how far from on grade without moving the rod clamp
- Large 102 mm (4 inch) reception height acquires the beam quickly and keeps you in the laser beam
- Extremely tough - can withstand a drop of 1.5 m (5 ft) onto concrete and has a 3 year warranty to back it up

HR150 Receiver Specifications

Drop capable on concrete	1.5 m (5 ft)
Operating range (radius)	150 m (500 ft)
Displays	Dual LED with green on-grade
Number of display channels	3
On-grade sensitivities	1: 3 mm (1/8 in)
Decibel level	100 dBA
Low battery warning	Yes
Auto shut-off (30 minutes)	Yes
Water resistance	Waterproof IP67
Weight (without clamp)	245 g (8.6 oz)
Dimensions (DxWxL)	2.8 x 5 x 13.7 cm (1.1 x 2 x 5.4 in)
Warranty	1 year

HL450 Laserometer Specifications

Drop capable on concrete	1.5 m (5 ft)
Operating range (radius)	200 m (650 ft)
Displays	Dual LCD
Number of display channels	21
On-grade sensitivities	2: 1 & 5 mm (1/16 & 1/4 in)
Decibel level	Low 65 / High 105 dBA
Low battery warning	Yes
Auto shut-off (30 minutes)	Yes
Water resistance	Waterproof IP67
Weight (without clamp)	371 g (13.1 oz)
Dimensions (DxWxL)	3.6 x 7.6 x 16.8 cm (1.4 x 3.0 x 6.6 in)
Warranty	3 years



YOUR LOCAL SPECTRA PRECISION REPRESENTATIVE

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