

HV301G Applications

Interior

- Acoustical ceiling installation
- Drywall installation
- Squaring/layout
- Raised access flooring
- Interior finishing work
- Reference marks
- Leveling
- Vertical alignment
- Plumb
- Small-to-medium commercial construction

Spectra Precision HV301G



Multipurpose Green Beam Construction Laser for Interior Applications

Tough, High Visibility, Versatile Interior Construction Laser

The automatic, self-leveling Spectra Precision® HV301G offers exceptional versatility and superior green beam visibility for increased productivity at a great value. The HV301G laser handles a wide variety of horizontal, vertical and plumb applications.

The HV301G green laser beam is easy to see in all interior jobsite conditions. The superior visibility of the green beam is useful for extended ranges or in bright conditions. The beam stays visible for efficient work in less than ideal conditions.

The HV301G laser transmitter sends a continuous, self-leveled 360-degree laser reference over the entire work area. Various rotation speeds and scanning angles allow you to concentrate the laser beam in your work area for optimum visibility. A 90-degree reference beam is included for a wide variety of layout work and point transfer. A 360 degree remote control allows operation of key functions over the jobsite.

Designed to be used by any contractor, the HV301G laser is easy to set up and use. Intuitive controls allow operators to carry out many functions with simple "one-touch" commands.

Electronic automatic self-leveling in both horizontal and vertical modes assure accuracy. A height of instrument alert turns the beam off when the elevation of the laser changes or is disturbed. The laser can also be used in the manual leveling mode for slope applications such as matching existing ceiling slopes.

Vertical applications are as easy to set up as horizontal applications. No additional vertical mounting brackets or trivets are necessary.

Simply setup the laser on the built-in no-slip rubber footpads or mount vertically to a tripod with the built-in tripod mount.

The HV301G is rugged enough for the toughest jobsite. Highly durable construction enables the HV301G laser to survive a drop of up to 3 feet (1 meter) onto concrete. IP54 sealing assures the laser is unaffected by dust or moisture.

The performance of the Spectra Precision 300 series has been proven reliable in tens of thousands of units sold and working throughout the world.

The HV301G Laser Package includes:

- HV301G Laser
- 360-degree IR remote control
- Rechargeable NiMH batteries and charger
- Universal wall, floor, and tripod mount
- Enhanced ceiling target
- Green laser glasses
- Multi-Language operator's manual
- Hard carrying case

Optional universal receivers are available.



Spectra Precision HV301G



Maximum Visibility and Versatility in Interior Construction Applications

HV301G Laser Features & Benefits

- High visibility green beam is four times more visible than standard red beam lasers allowing you to work longer distances and in brighter conditions
- Automatic self-leveling in horizontal and vertical applications assures accuracy and quick setups
- Temperature compensation for accurate use throughout the day
- Intuitive, one-touch operator controls allow anyone to get to work quickly
- Adjustable rotation speeds and scanning zones position the beam where it is needed
- Height of Instrument alert turns off laser and alerts the operator if elevation is changed to avoid erroneous readings
- Remote control allows all functions to be carried out from anywhere on the jobsite
- Flexible power options - efficient Nickel-Metal Hydride batteries are standard; alkaline batteries can provide power backup
- Removable rotor cage for precise pointing and 360° coverage
- High durability design can withstand 3 ft (1m) drops onto concrete reducing downtime and repair costs
- IP54 sealing allows work in all environments
- Built-in vertical stand and 5/8"×11" horizontal and vertical mounting
- Marking notches on each side of the unit provides operator fast positioning over a point for plumb transfer
- Single axis manual slope mode to match known references
- Proven performance, ruggedness, and reliability with tens of thousands of 300 series lasers in the field
- Choice of optional universal receivers for exterior leveling tasks (works with visible green and red beam lasers and infrared lasers)

HV301G Laser Specifications

Laser type	532 nm Green Beam
Laser class	Class 3R / IIIa, <5mW
Laser accuracy	±3/32 in at 100 ft (±2.2 mm at 30 m, ±15 arc seconds)
Interior range	up to 250 ft (75 m)
Temperature compensation	Yes (2 arc seconds / °C)
Self-leveling range	±5 degrees
Compensation method	Electronic self-leveling
Power source	4 'D' size NiMH batteries standard (Alkaline optional)
Battery life	18 hours rechargeable, 45 hours alkaline
Battery status LED	Flashing red LED
Battery recharging time	Less than 10 hours
Rotation speed	0/10/80/200/600 rpm
Scanning angles	Four preset angles 8°/45°/90°/180°
Operating temperature	32 °F to 104 °F (0 °C to 40 °C)
Storage temperature	-4 °F to 158 °F (-20 °C to 70 °C)
Water resistant	Yes, and IP54 sealing
Size	9.6L × 6.5W × 7.3H in 2 (4.5L × 16.5W × 18.5H cm)
Weight	6 lbs (2.7 kg)
Warranty	2 years



High visibility green ceiling target



RC601 Remote Control included - Long range 250 ft (75 m) use



M300 Universal Mount



HL750U Laserometer



HR150U Receiver

HL750U Laserometer Specifications

Reception Height	5.0 inches (127 mm)
On Grade Sensitivity	1/32, 1/16, 1/8, 1/4, 1/2 in (.5, 1, 2, 5, 10 mm)
Operating Range (radius)	825 ft (250 m)
Warranty	3 Years

HR150U Receiver Specifications

Reception Height	2.0 inches (50 mm)
On Grade Sensitivity	1/8 in (3 mm)
Operating Range (radius)	500 ft (150 m)
Warranty	1 Year



YOUR LOCAL SPECTRA PRECISION REPRESENTATIVE

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