HV302G

Applications

- Interior, light to medium commercial and residential construction
- Squaring/layout
- Leveling and aligning of interior walls
- Installation of ceilings and raised floors
- Interior finishing work
- Vertical alignment
- Plumb



Multipurpose Green Beam Construction Laser for Interior







The automatic self-leveling Spectra Precision® HV302G Horizontal/Vertical Laser offers exceptional versatility and superior green beam visibility for increased productivity at a great value.

The HV302G is capable of handling a wide variety of horizontal, vertical and plumb applications optimized for interior projects. A split beam enables plumb point transfer and 90 degree layout. Even in brightly lit interior conditions, the high visibility green beam of the HV302G delivers consistently reliable and accurate performance, enabling you to work faster and smarter.

Extremely rugged, the laser can withstand drops of up to 1 meter (3 feet) onto concrete and tripod tip-overs up to 1.5 meter (5 feet), resulting in reduced downtime and lower repair costs. Even in the toughest jobsite conditions, the laser delivers reliable, accurate performance to increase overall productivity and cost-savings.

The HV302G features a simple keypad with arrow buttons, making it easy to use. The laser can be configured with the HL760U Universal Digital Readout Receiver. By utilizing the radio communication between HV302G and the optional HL760U receiver, a reference for a sloped ceiling or line points for drywall layout can be quickly and easily established. The HL760U receiver is unique as it will work with any green, infra-red or red beam laser.

Key Features

- Automatic horizontal and vertical self-leveling
- Accuracy 1.5mm @ 30 m (1/16 inch @ 100 ft)
- Working visible range of 75 m (250 ft) radius
- High-visibility beam – easily visible even in brightly lit conditions
- Split beam – enables plumb point transfer and 90-degree layout
- Height of Instrument Alert - unit stops rotating when jarred to avoid erroneous readings
- Long range RC402N Radio remote control
- Radio communication between the HL760U DRO receiver and the laser provides automatic Grade Matching and PlaneLok
- Extremely durable and portable
- 3 Year warranty

User Benefits

- Complete interior system in a case - carrying case securely holds all components, wall mount, green target
- Easy to transport, easy to carry, easy to store
- Energy-efficient design offers long battery life
- Highly durable construction enables the HV302G to survive a drop up to 1 m (3 feet) onto concrete
- Radio remote control offers access to all laser functions throughout the jobsite.

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Multipurpose Green Beam Construction Laser for Interior

HV302G Specifications

- Leveling accuracy[1,3]: ± 1.5 mm/30 m, 1/16“ @ 100 ft, 10 arc seconds
- Operating visible radius[1,2]: 75 m (250 feet)
- Rotation: 0, 10, 80, 200, 600 rpm
- Pre-selected scan sizes: 5°, 15°, 45°, 90°, 180° and 0
- Laser type: green diode laser 520 nm
- Laser class : Class 3A/3R, max. 5 mW
- Self-leveling range: ± 5° (±9%)
- Leveling indicators: LED flashes
- Radio range (HL760U): up to 100 m (330 ft)
- Power source: 10.000 mAh NiMH battery pack
- Battery life[1]: 30 hours NiMH; 25 hours alkaline
- Operating temp.: -20°C to 50°C (-4°F to 122°F)
- Storage temp.: -20°C to 70°C (-4°F to 158°F)
- Tripod attachments: 5/8 x 11 horizontally and vertically
- Dust and waterproof: Yes - IP66
- Weight: 3.1 kg (6.8 lbs)
- Low voltage indication: LED battery indicator
- Low voltage disconnection: unit shuts off
- Warranty: 3 Years

HL760U Digital Readout Receiver

- Highly versatile receiver for basic and advanced leveling and aligning applications
- Works with HV302G in automatic Grade Match and PlaneLok (H + V) applications
- Key Features:
  - Digital readout of elevation
  - Exact distance from on-grade displayed
  - Anti-strobe sensor to prevent false reading from jobsite strobe lights
  - Large reception height to ease beam reception
  - Withstands a drop of up to 3 m (10 ft)
- User Benefits:
  - No need to go “on-grade” to measure;
  - Saves considerable time
  - Reduces rework by allowing remote monitoring
  - Increases reliability, accuracy and durability

RC402N Remote Control Specifications

- Operating range[1,3]: up to 100 m (330 ft)
- Power source: 2 x 1.5V AA alkaline batteries
- Battery life[1]: 130 hours
- Dust and waterproof: Yes - IP66
- Weight: 0.26 kg (0.57 lbs)

HL760U Digital Readout Receiver Specifications

- Digital readout units: mm, cm, ft, in, frac. in
- Reception height: 127 mm (5 inches)
- Six On-grade sensitivities:
  - Ultra Fine 0.5 mm (~1/32 in)
  - Super Fine 1 mm (~1/16 in)
  - Fine 2 mm (~1/8 in)
  - Medium 5 mm (~1/4 in)
  - Coarse 10 mm (~1/2 in)
  - Calibration Mode 0.1 mm (~1/64 in)
- Battery life[1] (2 x AA): 60+ hours continuous operation
- Auto shut-off: 30 minutes/24 hours
- Operating temp.: -20°C to 50°C (-4°F to 122°F)
- Dust and waterproof: Yes - IP67
- Weight: 0.37 kg (13.1 oz)
- Warranty: 3 Years “No Excuses”

[1] at 21° Celsius (70° F)
[2] under optimal atmospheric circumstances
[3] along the axis



HV302G features a strong metal sunshade



Wallmount M302 with Height fine adjustment



RC402N Radio Remote Control for all applications



Advanced HL760U Digital Readout Radio Receiver offers automatic Grade Match and PlaneLok (H + V)

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