

Spectra Precision Laser Receivers HR300 and HR100



New Receivers Offer Exceptional Versatility and Reliability In Leveling and Alignment Applications

Smart Choices for Residential and Light Commercial Construction Contractors

Rugged, fast and easy to use, the Spectra Precision Laser™ HR300 and HR100 receivers are the contractor-grade receivers of choice for both exterior and interior leveling and alignment tasks. Applications include concrete footers and forming, decks, alignment of interior walls and ceilings, and placing 1 m (4 in) marks.

Contractors and owner-operators around the world use Spectra Precision Laser products to increase construction job site productivity and profitability. The HR300 and HR100 receivers feature the rugged dependability that has made the Spectra Precision Laser name a standard in the industry.

The HR300 and HR100 can also serve as backup receivers to models with more advanced features when additional personnel are needed for simultaneous general leveling operations.

Durability for Tough Job Sites

The HR300 and HR100 are industry-standard receivers rugged enough to endure harsh job site conditions. With their tough composite material housing, they are capable of surviving a drop of up to 1.5 meters (5 ft) to a hard surface. Their long battery life results in reduced operating costs, minimal downtime and maximum reliability.

These receivers are water-resistant and dust-proof to IP54 standards. Despite their heavy-duty construction, the HR300 and HR100 are still lightweight and small enough to easily

carry anywhere—even in your pocket or tool belt.

Versatility to Meet a Wide Range of Needs

The HR300 and HR100 can serve as handheld, stand-alone receivers when marking walls or floors. Alternately, they can be easily rod-mounted for



outdoor general construction leveling applications. Combine this versatility with good indoor as well as outdoor visibility, and these receivers are ideal for any general-purpose application.

The rod clamp for the HR300 and HR100 further enhances their versatility and ease of use by requiring no tools or screws when attaching or detaching the receiver from the clamp. The HR100 has a built-in, heavy-duty magnet for attaching to metal grid or track.

Easy to Use in any Situation

Along with their flexibility and ruggedness, the HR300 and HR100 are also exceptionally easy to use. For outdoor applications, the HR300's 5-channel LCD and LED displays and the HR100's 3-channel Dual LED displays (with Green on-grade) indicate your position from the reference plane and help you get on-grade quickly. Redundant elevation LEDs provide easier reading in low light interior conditions.

Two deadband settings on the HR300—1.5 mm (1/16 in) and 3 mm (1/8 in)—allow you to adapt the deadband to fit the requirements of each specific application. A larger deadband allows for quicker readings, while a narrower deadband provides more accurate leveling and aligning.



HR300/HR100 Applications

- Leveling concrete forms, footers, pools and decks
- Elevation and alignment control over moderately sized job sites
- Alignment of interior walls, ceilings and 1 m (4 ft) marks



HR300 and HR100



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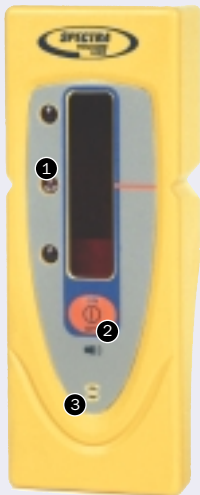


HR300

1. 5-channel LCD display
2. On-Grade Sensitivity button
3. Power / Audio button
4. Loud, audio speaker can be heard over job site noise
5. Simultaneous LED display allows elevation to be read in poor light
6. Quick disconnect clamp allows for fast removal of the receiver for marking applications

HR300 and HR100 Features and Benefits

- Enhances performance in tough job site conditions and poor weather conditions with rugged and water-resistant composite housing.
- Exceptionally easy to use, even for first-time laser system users.
- Visible operation, day or night, in any conditions, with simultaneous position LEDs on the back and a front LCD (HR300) and Dual LEDs with Green On-Grade (HR100).
- Additionally, you can select a sound mode that will provide sounds that are synchronous to the elevation display.
- The versatile Rod Clamp works on most grade rods and permits receiver removal without any screws or fasteners.
- Operates over two weeks on two AA batteries for reduced operating costs and downtime. The captive battery door (HR300) prevents accidental loss when changing batteries.
- Built-in magnet (HR100 1) and neck lanyard allows easy installation of interior ceilings and walls



HR100

1. 3-channel LED w/Green On-Grade display can be read in bright or poor light
2. Power / Audio button
4. Loud, audio speaker can be heard over job site noise
4. Simultaneous rear LED display
5. Powerful magnet can be mounted to acoustical ceiling grid, metal studs, or beams for interior or exterior applications
6. Quick disconnect clamp allows for fast removal of the receiver for marking applications
7. The model HR100 1 receiver includes the neck lanyard in place of the quick disconnect clamp to prevent accidental dropping or loss.

Receiver Specifications

	HR100/HR100 1	HR300
Housing	Composite	Composite
Water-resistant	Yes	Yes
Drop Capable on Concrete	1.5 m (5 ft)	1.5 m (5 ft)
Minimum Operating Range	100 m = 330 ft	150 m = 500 ft
Number of Display Channels	3	5
PhotoCell Placement	Front	Rear
PhotoCells	Single	Single
Beam Acceptance Angle	120°	130°
Front Display	3 LEDs	LCD
Rear Display	3 LEDs	2 LEDs
On-Grade Sensitivities	1	2
Mounting Magnet	Yes	
Decibel Level(s)	85	100
Batteries	2 AA	2 AA
Battery Life (Hours)	75	140
Low Battery Warning	Yes	Yes
Auto Shut-off (30 Minutes)	Yes	Yes
Unit Weight (without clamp)	245 gr (8.6 oz)	220 gr (7.7 oz)
Unit Dimensions (DxWxL)	2.8 x 5 x 13.7 cm (1.1 x 2 x 5.4 in)	2.5 x 7 x 12.7 cm (1 x 2.75 x 5 in)
User Warranty	1 Year	1 Year

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