CR700 Combination Laser Receiver

Applications

- Machine Display Receiver attached to Backhoe, Skid Steer or Mini-Excavator for Grading and Excavating
- Grade Rod Mounted Receiver for Elevation Control
- Vertical Alignment



Versatile Machine Mounted or Grade Rod Mounted









The Spectra Precision® CR700 Combination Laser Receiver is a machine mounted display receiver used on small grading and excavating equipment as well as a traditional laser receiver mounted to a grade rods. It is also ideally suited to work in vertical applications for alignment control.

The CR700 uses the patented "light bar" technology used in the HL family of laser receivers. This unique technology provides more accurate and more consistent readings than traditional methods and has fewer electronic components resulting in the most rugged, accurate and reliable laser receivers available.

Key Features

Bright, LED Arrow Displays
- Red (low), Blue (high) and Green on-grade LEDs are super bright and are visible in all conditions including longer range vertical alignments.

Magnetic Clamp for Machine Mounting
- Powerful magnets for strong attachment to machines is designed not to slip. Easy to quickly install and easy to switch to various machines.

Laser Radio
- Radio-compatible with Spectra Precision grade lasers and HV302. Enables use of time saving functions such as Grade Match, Fingerprinting, PlanLok and Axis Alignment.

Light Bar Technology
- Accurate, reliable and durable - performance not affected by laser beam diameter, consistent accuracy at all ranges.

Multiple Accuracies (Deadbands)
- Six levels offer maximum flexibility to meet jobsite requirements, from rough grading to fine grade checking.

Digital Readout of Elevation
- Provides the exact distance from grade numerically.

Rugged & Waterproof
- Durable construction designed to withstand all weather and construction site conditions - waterproof, dustproof and warranted to withstand a 3 m (10 ft) drop.

Three-Year Warranty
- Reliability you can count on.

Vertical Drift Alarm
- When using lasers in vertical mode, the laser receiver warns you if the laser has been disturbed after setting up your line.

User Benefits

- Allows operator to check grade from the cab increasing productivity and reducing labor
- Increases safety on the jobsite as a rodman is not needed in the trenches
- Versatile - can be used on a machine, on a grade rod and in vertical applications
- Increases overall operator and machine efficiency, saving fuel and time
- Super bright LEDs can be seen in all working conditions
- Works with all rotating lasers or use advanced features with Spectra Precision grade lasers
- Fingerprinting technology eliminates any confusion with multiple lasers on a jobsite

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CR700 Combination Laser Receiver

CR700 Specifications

- Working Radius: 1 m - 460 m (3 ft - 1500 ft) (Laser dependent)
- Laser Detection Height: 127.0 mm (5“)
- Numeric Readout Height: 102.0 mm (4“)
- Internal Radio: Full 2-way communication, operation and security lock with paired device
- Radio Working Radius: Up to 200 m (660 ft), depending on orientation, conditions and paired device
- Accuracy (Deadband):

Ultra Fine	0.5 mm	0.02 in	1/32 in
Super Fine	1.0 mm	0.05 in	1/16 in
Fine	2.0 mm	0.10 in	1/8 in
Medium	5.0 mm	0.20 in	1/4 in
Coarse	10.0 mm	0.50 in	1/2 in
Machine	25.0 mm	1.00 in	1 in

- Reception Angle: 200° minimum (laser & distance dependent)
- Strobe: Anti-strobe sensor
- Detectable Spectrum: 610 nm ... 780 nm
- Beeper Volumes: Loud = 110 dBA, Medium = 95 dBA, Low = 65 dBA
- LED Grade Indicators: Green On-grade, Red Hi, Blue Low
- Brightness: Off, Bright, Super-Bright
- Power Supply: 3 x 1.5 Volt “AA” batteries
- Battery Life: 60+ hours; 16 continuous backlight
- Automatic Shut Off: 30 minutes
- Environmental: Waterproof, Dustproof to IP67
- Weight without clamp: 471 g (16.6 oz.)
- Dimensions w/o clamp: 98 x 200 x 37 mm (3.9” x 7.8” x 1.5”)
- Operating Temperature: -20°C...+60°C (-4°F... +140°F)
- Storage Temperature: -40°C...+70°C (-40°F...+158°F)
- Regulatory: CE EMC / RoHS Compliant

**Specifications subject to change without notice.*



CR700 includes C71 Magnetic Clamp and C70 Rod Clamp







Spectra Precision Manufactures a Complete Line of Rotary Lasers, Machine Display Receivers, Rod Mounted Receivers and Pipe Lasers



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