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 application 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

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• 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

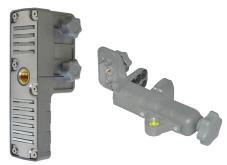


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CR700 Specifications

 Working Radius: (Laser dependent) 		1 m - 460 m (3 ft - 1500 ft)		
 Laser Detection He 		(5")		
 Numeric Readout I 		(4")		
Internal Radio:	-	Full 2-way communication, operation and		
		security lock with paired device		
 Radio Working Rad 	lius: Up to 200 r	Up to 200 m (660 ft), depending on orientation, conditions and paired device		
 Accuracy (Deadbar 		·		
Ultra F		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	
Mediu	m 5.0 mm	0.20 in	1/4 in	
Coarse	e 10.0 mm	0.50 in	1/2 in	
Machii	ne 25.0 mm	1.00 in	1 in	
 Reception Angle: 	200° minim	200° minimum (laser & distance dependent)		
 Strobe 	Anti-strobe	Anti-strobe sensor		
 Detectable Spectru 	ım: 610 nm 7	610 nm 780 nm		
 Beeper Volumes: 	Loud = 110	Loud = 110 dBA		
	Medium =	95 dBA, Low =	= 65 dBA	
 LED Grade Indicate 		Green On-grade, Red Hi, Blue Low		
 Brightness: 	Off, Bright,	Off, Bright, Super-Bright		
Power Supply:	3 x 1.5 Volt	3 x 1.5 Volt "AA" batteries		
 Battery Life: 		60+ hours; 16 continuous backlight		
 Automatic Shut Off 	f: 30 minutes	30 minutes		
Environmental:		Waterproof, Dustproof to IP67		
 Weight without clar 		471 g (16.6 oz.)		
 Dimensions w/o cla 	•	98 x 200 x 37 mm		
		(3.9" x 7.8" x 1.5")		
Operating Tempera		-20°C+60°C (-4°F +140°F)		
Storage Temperatu		-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





Optional vertical bracket for CR and HL receivers PN 105516



Contact Information:

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Specifications and descriptions are subject to change without notice.

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