

## HAND HELD LASER RECEIVERS

THE MOST ACCURATE, RELIABLE, DURABLE RECEIVERS YOU CAN OWN

### CR1

Economical Interior and Exterior Models  
Totally Waterproof and Dustproof (IP67)

#### CR1-E



#### CR1-I



LCD indicates grade position.  
Exterior model includes  
rod clamp.

LED's indicate grade position.  
Interior model includes lanyard  
and built-in magnets.

### CR2

Proven performance and reliability  
Totally Waterproof and Dustproof (IP67)



LCD's Back and Front.  
Selectable on-grade accuracy.  
Loud beeper can be heard on noisy jobsites.  
Strong, durable clamp.

### CR5

#### COMBINATION RECEIVER



Hand-held, rod or machine mounting  
LCD and LED Displays  
3 accuracy settings • 5" reception range  
Magnetic mounting



Optional Wireless Remote  
for Added Versatility



Hand Held or  
Rod Mounted  
Laser Receivers



Combination  
Hand-held, Rod or  
Machine Mounted  
Laser Receiver



Machine Mounted  
Laser Receivers

#### SPECIFICATIONS

	CR1-E	CR1-I	CR2	CR5
Reception Range:	500' (150 m)	250' (75 m)	2000' (600 m)	1000' (300 m)
Accuracy:	Fine	±1/32" (±0.75 mm)	±1/32" (±1.0 mm)	±1/16" (±5 mm)
	Medium	±1/16" (±2.0 mm)	±1/16" (±2.0 mm)	±1/4" (±10 mm)
	Coarse		±1/8" (±3.0 mm)	±1/2" (±25 mm)
Detection Height:	1.5" (38 mm)	1.5" (38 mm)	2.0" (50 mm)	5.0" (127 mm)
Environmental:	All Waterproof			
Beeper Volume:	High	100 dB	105 - 110 dB	105 - 110 dB
	Low	-65 dB	70 - 75 dB	70 - 75 dB
Display Channels:	3	3	5	9
Marking Notch Offset:	25 mm	25 mm	50 mm	N/A
Remote Display Outputs:	No	No	Yes	Yes
Battery Life:	Normal	300 hrs	150 hrs	160 hrs
	Continuous	100 hrs	50 hrs	
Warranty:	2 Years			

\*Specifications subject to change without notice

Local Dealer:

**FUTURA**  
TOOLS & TECHNOLOGY

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## MACHINE CONTROL LASER RECEIVERS

ALL MCR RECEIVERS FEATURE - 360° DEGREE RECEPTION - SELECTABLE ACCURACY - WATERPROOF DESIGN - HEAVY DUTY CONSTRUCTION

### MCR1+



- Display receiver for grading
- Versatility built-in
- Super bright LED's
- Low battery indication
- Green on-grade LED's

### MCR2+



- Grading and excavating
- Plumb indication built-in
- Selectable on-grade location
- Automatic capability
- Green on-grade LED's

### MCR3



**NEW - A.C.E.**  
Angle Compensation for Excavation  
Check grade with the dipper over or under extended, up to 30 degrees, without loss of accuracy.

- Long vertical reception
- Selectable on-grade location
- Grading and excavating
- Plumb indication built-in
- Green on-grade LED's

### ACCESSORIES



Remote Display  
with cables - View grade  
information in the cab.  
Connects directly to  
machine power.



Adjustable Magnetic Mounts for  
Backhoes / Excavators or Dozers.  
Quick, secure mounting with no  
welding. Heavy duty magnet banks  
keep receiver in place.

### SPECIFICATIONS

	MCR1+	MCR2+	MCR3	MCR2E
Vertical Reception:	6.75" (170 mm)	6.75" (170 mm)	8.75" (220 mm)	6.50" (162 mm)
Accuracy:			Grading / Excavating	
Set-Up			3/16" / 1/4" (5/6 mm)	
Fine	3/16" (5 mm)	3/16" (5 mm)	3/8" / 1/2" (10/12 mm)	16 levels
Standard	1/2" (12 mm)	1/2" (12 mm)	3/4" / 1" (20/25 mm)	set with
Wide	1-1/4" (35 mm)	1" (25 mm)	1-1/2" / 2" (40/50mm)	Control Box
Plumb Sensor Range:	N/A	± 2.5°	± 2.5°	N/A
ACE Mode Swing Range			± 10° to 30°	
On Grade Locations:				
Center (Grading)	Yes	Yes	Yes	Yes
Offset (Excavation)	No	Yes	Yes	No
Power: Alkaline Batteries	Standard	Standard	Standard	N/A
Nickel Metal Hydride	Optional	Optional	Optional	N/A
Power Cable, 10-30 V	Optional	Optional	Optional	Required
Battery Life - Dim / Bright:				
Alkaline	75 / 50 hrs	60 / 45 hrs	60 / 45 hrs	N/A
Ni-MH	50 / 40 hrs	45 / 30 hrs	45 / 30 hrs	N/A
Remote Display Option:	Yes	Yes	Yes	No
Automatic Option:	No	Yes	Yes	Yes
Clamp Range, MCR:	1.66" to 2" (42 - 50 mm)	diameter round tube, 1-1/2" (38 mm)	square tube	
Warranty:	2 Years	2 Years	2 Years	2 Years

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### Automatic machine control system

### MCR2E

Grade LED's on front of  
receiver.  
Used with MCB and  
cable kit.



### MCB

The MCB will work with the MCR2,  
MCR2E, and MCR3.  
16 selectable on-grade accuracies.  
Automatic or manual control.