The R-1307B Target Readouts R-1307BC

R-1307BC R-1307B-2.4ZB

Available in two models, supporting both cabled and wireless readouts and blinking and continuous laser modes

Readout Features

- Hamar Laser's new R-1307B Basic Series of target readouts is available in two configurations, designed to fit the specific needs of our users.
 - The R-1307BC, which replaces the R-307 Readout, supports 2-axis cabled (local) targets.
 - The R-1307B-2.4ZB, a combination readout for cabled targets with the capability to wirelessly transmit target data to a second R-1307 or to our A-910-2.4ZB Computer Data Receiver
- The R-1307B-2.4ZB and R-1307BC support cabled targets for both blinking and continuous laser modes, now available on the L-705, L-706 and L-708 Lasers.
- The R-1307B-2.4ZB and R-1307BC support 4x4 mm, 10x10 mm or 20x20 mm PSD cabled targets.
- The R-1307B-2.4ZB can be configured to display data from one cabled 2-axis target or to receive data from a second R-1307-2.4ZB Readout connected to one 2-axis target.
- The R-1307B-2.4ZB may be used as either the Master Readout or as a secondary readout to display data from a second R-1307.
- Radio frequency for the R-1307B-2.4ZB is 2.4 GHz Xbee[®].
- User-selectable measurement averaging (2 to 64 samples) for difficult atmospheric conditions.
- The readouts can store 1 fixed beam and 1 pulsed beam calibration factor.
- Easy-to-use front control panel allows quick setting changes and clearly displays target readings.
- User can select the number of display digits up to a maximum of .0001 in. or 0.001 mm.
- Powered by a 2500 mAh Lithium-Polymer rechargeable battery for 7-22 hours of continuous use (depending on model, radio type and display brightness setting).
- Lightweight (1.2 lb./.55 kg) with sturdy aluminum housing.



The A-1307KS Readout Stand

Hamar Laser's new A-1307KS Readout Stand allows for the secure and convenient positioning of the R-1307 Readout.

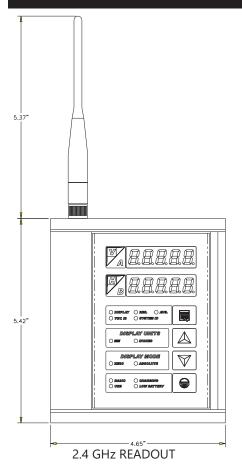


- Four stand positions: 180°, 135°, 45° (shown in photo) and 0° (closed).
- The stand support leg, when opened to 180°, can be used as a hanger.
- Magnets on the back hold the Readout securely to steel objects.
- When the A-1307KS is assembled to the Readout, magnets are installed on the bottom so the unit can stand upright.
- The A-1307KS can be retrofitted to any existing R-1307 Readout.



Specifications

The R-1307B Target Readouts



Agency Certifications for the 900 MHZ Radio Transceiver FCC (United States of America) Certification Contains FCC ID: OUR-9XCITE

The enclosed device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions: (1) This device may not cause harmful interference and (2) This device must accept any interference received, including interference that may

cause undesired operation.

ARF EXPOSURE WARNING: This equipment is approved only ▲ RY EXPUSURE WARKINIES: In lis equipment is approved only for mobile and base station transmitting devices, separation distances of (i) 20 centimeters or more for antennas with gains < 6 dBi or (ii) 2 meters or more for antennas with gains ≤ 6 dBi should be maintained between the antenna of this device and nearby persons during operation. To ensure compliance, operation at distances close than this is not recommended.

IC (Industry Canada) Certification Contains Model 9XCite Radio (900 MHz), IC: 4214A-9XCITE

Agency Certifications for the 2.4 GHz Radio Transceiver
FCC (United States of America) Certification
Contains FCC (Di : OUR-24XSTREAM
The enclosed device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not of the proper

cause undesired operation.

• RF EXPOSURE WARNING: This equipment is approved only for mobile and base station transmitting devices, separation distances of (i) 20 centimeters or more for antennas with gains < 6 dBi or (ii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for antennas with gains < 6 dBi or (iii) 2 meters or more for ant be maintained between the antenna of this device and nearby persons during operation. To ensure compliance, operation at distances close than this is not recommended. IC (Industry Canada) Certification

Contains Model 24XStream Radio (2.4 GHz), IC: 4214A-12008

Complies with IC ICES-003
CE!

Complies with ETSI. France: France imposes restrictions on the 2.4 GHz band. Go to www.art-telecom.Fr or contact MaxStream* for more information. Norway-Norway prohibits operation near Ny-Alesund in Svalbard. More information can be found at the Norway Posts and Telecommunications site (www.npt.no).

Since the 2.4 GHz band is not harmonized throughout Europe, other restrictions may apply to your country.

Agency Certifications for the XBee® 802.15.4 Series 1 Agency Certifications for the XBee® 802.15.4 Series 1
FCC (United States of America) Certification
Contains FCC ID: OUR-XBEE
IC (Industry Canada) Certification
Contains Model XBee 802.14.4 IC:4214A-XBEE
Complies with ETSI (Europe), C-TICK (Australia) and Telec (Japan)

OEM radio transceiver, model number: 24XStream Frequency band: 2400.0 - 2483.5 Mhz Modulation: Frequency shift keying Channel spacing: 400 kHz ITU classification: 400KF1D Output power: 100 mW EIRP max. Notified body number: 0891

Radio Specifications	R-1307B-2.4ZB Wireless 2.4 Xbee®	
Range	Up to 400 ft (120 m) with line of sight, outdoors from one R-1307B to a second R-1307B. Indoor range may very depending on indoor obstructions and magnetic interference. Transmitting to our A-901-2.4ZB Computer Interface will reduce the distance approximately 40-50%.	
Transmit Power	1.25 mW (+1 dBm) /2 mW (+3 dBm) boost mode	
Radio Frequency	2.4 GHz, DSSS (Direct Sequence Spread Spectrum)	
Certification (see certification details	FCC (US): OUR-XBEE CE: (Europe) ETSI TELEC (Japan)	IC (CANADA): 4214A-XBEE C-TICK (Australia)
Battery Type	2500mAh, Lithium-Polymer rechargeable battery	
Battery Charging Time	5-8 hours typical	
Battery Life Expectancy	800 charge/discharge cycles maximum	
Battery Capacity (rated capacity of a new battery)	7-22 hours of continuous use. Varies by model, radio type and display brightness settings.	
Power Adapter/Charger	Input: 100-240V ac Output: 7.5V dc 1.2A	
Weight	1.2 lb. (0.55 Kg)	
Housing Material	Aluminum	
Physical Dimensions	5.45 in. x 4.63 in. x 1.45" (excluding antenna) 138 mm x 118 mm x 37 mm	
PSD Resolution and Accuracy Cabled Targets	4x4 mm PSD: 0.1 microns - <1% error 10 x 10 mm PSD: 0.25 microns - < 2% error 20 x 20 mm PSD: 0.5 microns - < 0.5% error	
Display Resolution	.0001 in. (0.001 mm). When using Bore9 Software, resolution is .00002 in. (0.0005 mm).	
Rotation Angle (R-1307+R)	Resolution: 0.1 degree Accuracy: ± 1 degree use harmful interference and (2) This device must accept any interference received, including interference that may	