

Available in 3 models, supporting both cabled and wireless targets and blinking and continuous laser modes

The R-1307 Target Readouts

R-1307C

R-1307W-2.4XBE

R-1307-2.4XBE

Readout features:

- ✦ Hamar Laser's R-1307 series of Target Readouts is available in 3 configurations, designed to fit the specific needs of our users.
 - The R-1307C supports all our 2-axis cabled targets..
 - The R-1307W-2.4XBE supports up to 2 A-1519-2.4XBE Single-Axis Wireless Targets.
 - The R-1307-2.4XBE supports 2-axis cabled targets with the capability to wirelessly transmit target data to a second R-1307 or to our A-910-2.4XBE Computer Data Receiver. It also supports our A-1519-2.4XBE Wireless Targets.
- ✦ The R-1307 and R-1307C support both blinking and continuous laser modes, on the L-702SP, L-703, L-705, L-706 and L-708 Lasers.
- ✦ The R-1307 and R-1307C support 4x4 mm, 10x10 mm or 20x20 mm PSD cabled targets.
- ✦ The R-1307 and R-1307W can be configured to display data from one wireless target in dual-axis (fixed beam) mode or two wireless targets in single-axis (scanning) mode.
- ✦ The R-1307 and R-1307W may be used as either the Master Readout or as secondary readouts to display data from a second R-1307.
- ✦ Radio frequency for the R-1307 and R-1307W is 2.4 GHz XBee®.
- ✦ User-selectable measurement averaging (2 to 64 samples) for difficult atmospheric conditions.
- ✦ Electronic zeroing of target readings.
- ✦ The R-1307C/R-1307 can store up to 9 target calibration factors.
- ✦ 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 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.



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Specifications

The R-1307 Target Readouts

General

Radio Specifications:	2.4 GHz Xbee® protocol
Range:	Up to 130 ft. (40 m) with line of sight, outdoors from one R-1307 to a second R-1307. Indoor range may vary depending on indoor obstructions and magnetic interference.
Transmit Power:	+8dBm (6.3mW)
Radio Frequency:	2.4 GHz, DSSS (Direct Sequence Spread Spectrum)
Certification (see certification details):	FCC ID: MCQ-XBEE3. Complies with FCC rules, Part 15 CE: Complies with ETSI (Europe) IC ID: 1846A-XBEE3 (Canada) RCM/R-NZ (Australia/New Zealand) ANATEL 06329-18-01209 (Brazil) TELEC [R] 210-119309 (Japan)
Battery Type:	2500 mAh, Lith ium-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 in. (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

