


Carlson BRx5 GNSS Receiver

— For greater accuracy and ease of use

Featuring Carlson Exclusive LDL (live digital level) for highest positional accuracy: Carlson SurvCE, versions 4.0 and up, utilizes the BRx5's internal level sensors to display a live digital level bubble in the store points and stake points screen. Plus —

- Fully integrated 270-channel GNSS receiver with UHF radio & GSM cell modem
- Each receiver can be configured as Base, Rover, or Network Rover
- Dual Bluetooth Ports – connects data collector & cell phone
- Dual Hot-Swap Batteries – no need to stop work to recharge or replace battery packs



LAT: 38°39'56.73"
LON: 83°47'00.59" +

For more information, visit
www.carlsonsw.com or call 800-989-5028

Since 1983

 **Carlson**
...For the Total Project

Carlson BRx5 GNSS Receiver

— Be outstanding in your field!

GPS Receiver

Receiver Type:	Multi Frequency GNSS
Positioning Modes:	RTK, SBAS, External RTCM, Autonomous
Channels:	270
RTK Formats:	CMR, CMR+, RTCM3.0, RTCM3.1, ROX
Update Rate / Recording Interval:	Selectable from 1, 2 and 5 Hz

Performance*

	Horizontal	Vertical
RTK:	8 mm + 1 ppm	16 mm + 2 ppm
Static Performance:	3 mm + 0.5 ppm	5 mm + 0.5 ppm
	Horizontal Accuracy	
	RMS (67%)	2DRMS (95%)
DGPS Performance:	<0.3 m	
SBAS (WAAS):	0.3 m	0.6 m
Autonomous, no SA:	1.2 m	2.5 m

Communication

BlueTooth:	Dual Port
Radio and GSM:	Integrated 1 x GSM/GPRS 1 x 400 MHz UHF Radio

User Interface

LED Display:	8 status LED's
Buttons:	On/Off, function select
Data Storage:	Removable SD/SDHC card

Ports

1 x Power Input (2-pin circular)
1 x RS232 (9-pin circular, multi-use)
1 x RS232 (DSUB 9-pin)
1 x Radio Antenna Connector

Satellite Signal Track

L1, L2, GPS, Glonass and tracks L5 at the Antenna

Environmental

Operating Temperature:	-30°C to +70°C (-22°F to +158°F)
Storage Temperature:	-40°C to +85°C (-40°F to +185°F)
Humidity:	Up to 100%
Enclosure:	IP67, EP455, waterproof, dustproof
Shock:	2 m (6.56') pole drop

Power

Battery:	2 x Li-ion 5.2 Ah total, 7.4V (10-hour hot swappable battery life)
External Voltage:	9 to 32 VDC

Mechanical

Dimensions:	114 mm H x 197 mm D (4.49" H x 7.76" D)
Weight:	1.51 kg (3.33 lbs)
Material:	Lexan™ EXL resin

Comes with a 2-year manufacturer's warranty**



* Depends on multipath environment, number of satellites in view, satellite geometry, baseline length (for local services) and ionospheric activity.

** Subject to restrictions. See website for details.

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