

# Carlson

Be outstanding in your field!

# BRx5

GNSS Receiver

## Get Powerful Automation

Featuring Carlson Exclusive LDL (live digital level) for highest positional accuracy:

Carlson SurvCE 4.0 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



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## Carlson BRx5 GNSS Receiver - Be outstanding in your field!

### GPS Receiver

**Receiver Type:** Multi Frequency GNSS  
**Positioning Modes:** RTK, L-band DGNSS/HP/XP, 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
<b>RTK:</b>	8 mm + 1 ppm	16 mm + 2 ppm
<b>Static Performance:</b>	3 mm + 0.5 ppm	5 mm + 0.5 ppm
	<b>Horizontal Accuracy</b>	
	RMS (67%)	2DRMS (95%)
<b>DGPS Performance:</b>	<0.3 m	
<b>SBAS (WAAS):</b>	0.3 m	0.6 m
<b>Autonomous, no SA:</b>	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

