



Software for Land Development

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Carlson Software, Inc.

102 West Second Street / Suite 200

Maysville, KY 41056

www.carlsonsw.com

(606) 564-5028

Carlson Software

The screenshot displays the 'STORE PTS' interface in Carlson Software. The main window shows a surveying map with several data points labeled with stationing: 452/1 m.fl., 452/10 m.fl., 452/14 m.fl., 549/1 m.fl., 452/2 m.fl., 452/2 m.fl., and 452/7 m.fl. A blue structure is visible on the map, labeled with the number '2'. The interface includes a top toolbar with a globe icon, a close button (red with 'X'), and a status bar showing 'Fixed(Sim)', a scale of '1:810 m', and a value of '14'. On the left side, there is a vertical toolbar with icons for pan, zoom in, zoom out, home, rotate, and a magnifying glass. On the right side, there is a vertical toolbar with icons for 'S', 'A', 'O', 'C', and a camera icon. At the bottom, there are four buttons: 'Re-Measure', 'Next', 'Prev', and 'Store'.

Carlson Software

The screenshot displays the Carlson Software interface. At the top, there is a title bar with a globe icon and the text "STORE PTS", a black square icon, and a red button with a white "X". Below the title bar is a toolbar with navigation icons (compass, zoom in, zoom out) and a "Fixed(Sim)" button. The main map area shows a yellow terrain with red dashed lines indicating boundaries. Labels on the map include "452/2 m.fl.", "452/3 m.fl.", "451/3 m.fl.", "451/1 m.fl.", "296", and "300". A scale bar indicates "1:1283 m" and a north arrow is present. On the right side of the map, there are two large buttons labeled "S" and "A".

Below the map is an attribute table with the following columns and data:

PTEMA		String(50)
Unique Values	Asfaltspiker	4094
NØYAKTIGHET	Grensepåle	String(50)
MÅLEMETODE	Grensestein	String(50)
<Null>	Grensetre	String(50)
H_EUREF89	Jordmerke	
	Kors	Double
	Kors i stein	
	Rør; Kamjern; Borhull	
	Umerka punkt	
	Asfaltspiker	

At the bottom left, there is a text box with the text "Example of Attribute Prompting, Node Symbols". At the bottom right, there are three buttons labeled "xt", "Prev", and "Store".

Carlson BRx5 GPS



Carlson BRx5 GNSS Receiver

— Be outstanding in your field!

- Exclusive! Carlson SurvCE utilizes the BRx5 internal level sensors to ensure highest positional accuracy
- Fully integrated 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
- Omnistar Capable – submeter differential correction available worldwide



LAT: 18°39'56.73"
LON: 83°47'00.53"

Carlson BRx5 GNSS Receiver

— Be outstanding in your field!

GPS Receiver

Receiver Type:	Multi-Frequency GNSS
Positioning Modes:	RTK, L-band DGNSS/HPXRT SBAS, External RTCM, Autonomous
Channels:	270
RTK Formats:	CMR, CMR+, RTCM3.0, RTCM3.1, ROX
Omnistar Format:	VBS, HP, XR, G2
Update Rate / Recording Interval:	Selectable from 1, 2 and 5 Hz

Performance*

RTK (horizontal):	RMS (67%)	2DRMS (95%)
	8 mm + 1 ppm	15 mm + 1 ppm
Static Performance:	Horizontal	Vertical
	3 mm + 0.5 ppm	5 mm + 0.5 ppm
DGPS Performance:	0.3 m	
Omnistar HP:	0.1 m	0.2 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

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



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

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Contact Information

Louis Mullen

Sales Director of Ireland

lmullen@carlsonsw.com



Thank You