Carlson Surveyor2

File	Equip	Survey	COGO	Road

1 Job	6 Data Transfer
2 Job Settings	7 Import/Export
3 Points	8 Delete Job
4 Raw Data	9 Write Note
5 Feature Code List	0 Exit

ESC

7 & 8 * 9 (
4 $ 5 % 6 ^
1 ! 2 @ 3 #
ALT — 0) '

Q @ W # E $ R % T ^ Y & U * I (O) P
~ A ' S \ D [F] G < H > J + K = L
Z ; X " C ' V ' B / N ? M DEL
CTRL

Carlson Surveyor2

STORE PTS

Fixed	I•I6/17	10 ft

S
A
O
C

794.93
1

Pt: 2	Desc:	HT: 6

N:1923347.7951 E:6334416.1250 Z:789.0722
HSDV:0.062 VSDV:0.079 PDOP:2.28

ESC

7 & 8 * 9 (
4 $ 5 % 6 ^
1 ! 2 @ 3 #
ALT — 0) '

Q @ W # E $ R % T ^ Y & U * I (O) P
~ A ' S \ D [F] G < H > J + K = L
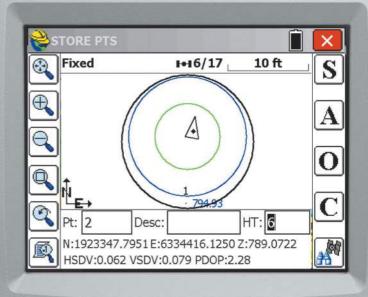Z ; X " C ' V ' B / N ? M DEL
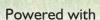CTRL

Carlson

Surveyor 2

The world's most reliable data collector just got better!

Powered with

Carlson SurvCE

FASTER PROCESSOR
More on-board storage space – now 8GB; and 1.0 GHz processor

LONG-RANGE BLUETOOTH
Up to 1500 feet paired with class I device

EXTENDED BATTERY LIFE
Up to 20 hours

LARGER, BRIGHTER DISPLAY SCREEN
Higher resolution, easier to read color display with scratch-resistant glass

EVEN MORE RUGGED
IP68 water & dustproof; shock resistant

EASIER TO USE
Still just 2 pounds and the QWERTY keyboard speeds data entry

MORE OPTIONS
- Integrated camera
- 3G modem
- GNSS receiver

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...For the Total Project

Surveyor 2 Specifications

PROCESSOR AND MEMORY
- 1 GB RAM
- 1.0 GHz ARM Cortex A8 i.MX53 processor

OPERATING SYSTEM AND SOFTWARE
- Microsoft® Windows® Embedded Compact 7
- Multiple OS languages (English, French, Spanish, German, Portuguese)
- Adobe Reader® LE

MEMORY AND DATA STORAGE
- 8 GB flash storage
- User-accessible micro SD / SDHC slot

DISPLAY
- Active viewing area: 4.3" (109 mm) VGA LCD TFT (640 x 480) Landscape Display
- High-visibility backlit LCD

TOUCHSCREEN
- Projected capacitive touch interface
- Chemically-strengthened glass
- Scratch-resistant screen

KEYBOARD
- Full numeric and QWERTY keypad
- Adjustable backlit keys

PORTS
- COM1, RS-232C 9-pin D connector with 5VDC power output on pin 9 software-enabled
- USB host (Full A), USB client (Micro B)
- 12, 24VDC input, 10-36V unregulated
- 3.5 mm audio jack, supports speaker / microphone or stereo output (pin detect)
- IO docking ports for charging
- USB port connector protector

BATTERY
- Intelligent Li-Ion battery 3.7VDC @ 10600 mAh, 38.7 Whr
- Operates 20+ hours on a single charge
- Charges in 2 to 4 hours
- Battery easily changeable in field
- Optimized for excellent performance in cold temperatures

PHYSICAL
- Size, Standard models: 5.4" w x 10.2" l x 1.6" d (138 mm x 256 mm x 40 mm)
- Weight: 2 lbs (908 g), with battery
- Durable hardened plastic in a shear-proof and shock-resistant design
- Strong chemical resistance
- Comfortable, wide hand strap
- Easy-to-grip, impact-absorbing bumpers

ENVIRONMENTAL

- IP68 waterproof and dustproof
- Operating temperature: –22˚F to 140˚F (–30˚C to 60˚C)
- Storage temperature: –22˚F to 158˚F (–30˚C to 70˚C)
- Note: Bluetooth® wireless technology is rated to –4˚F (–20˚C)
- Shockproof: multiple drops from 5' (1.5 m) onto concrete
- MIL-STD-810G test procedures: Method 500.5 Low Pressure (Altitude); Method 501.5 High Temperature; Method 502.5 Low Temperature; Method 503.5 Temperature Shock; Method 506.5 Rain; Method 507.5 Humidity; Method 510.5 Sand and Dust; Method 512.5 Immersion; Method 514.6 Vibration; Method 516.6 Shock

WIRELESS CONNECTIVITY OPTIONS
- Bluetooth® wireless technology, 2.1 +EDR, Class 1.5, line-of-sight range up to 1500 feet (450 meters) when paired with Class 1 Bluetooth device
- Wi-Fi® 802.11 b/g/n with extended range
- 3.75G modem (3G Models) – Pentaband Worldwide Frequencies: HSPA+ / UMTS: 800 / 850 / 900 / 1800 / 1900 / 2100MHz
- Data communication interface

CAMERA (GEO MODELS)
- 5 MP resolution with autofocus and LED illuminator + video capture
- Juniper Geotagging™: embed and emboss photo with date, time, and GPS position

GPS/GNSS (GEO MODELS)
- High-sensitivity GPS / GLONASS / SBAS receiver
- User settings for enhanced performance under canopy
- Accuracy: SBAS 2 meters; autonomous 5 meters
- NMEA and BINR output
- 32 channel all-in-view tracking
- JSNav GNSS positioning and navigation app

CERTIFICATIONS AND STANDARDS
- FCC Class B
- CE Marking (applicable EMC, R&TTE, and LVD directives)
- Industry Canada
- EN60950 Safety

STANDARD ACCESSORIES
- 10600 mAh battery
- AC wall charger with international plug kit
- Micro USB client sync cable
- Quick Start Guide
- Adjustable hand strap
- Screwdriver
- Stylus with tether
- 2-year warranty