

Data Collector Champion Scepter III



*Affordable Accuracy.
Full Functionality.*



Improved GIS Mapping with Better Accuracy

The Entire Solution to GIS Challenges

Is it a challenge to keep your GIS database up to date? Would you like to do more with just one system? The Scepter III's data can be mapped in less time with less effort. The lightweight, rugged Scepter III is the simple and total solution to your biggest GIS mobile application challenges.

Features

- ▶ Mobile GIS technology
- ▶ 1.5 m accuracy
- ▶ GSM internal modem
- ▶ Ruggedized for extreme conditions
- ▶ Integrated 5 megapixel HD camera
- ▶ Windows Mobile standards for full 3rd party software compatibility
- ▶ Windows Mobile phone
- ▶ Power to handle large datasets in the field
- ▶ SBAS corrections*
- ▶ Real-time network corrections
- ▶ LCD touchscreen

Compatible Integration

The integrated cellular modem offers wireless connections to access the Internet, exchange GIS data and connect to devices such as Bluetooth-enabled laser rangefinders, portable printers and barcode scanners. Other capabilities include WAAS satellite corrections and u-blox raw data format used by commercial software applications for post-processing.

Your Preferences with Supreme Power

With a powerful 806 MHz processor, 256MB RAM and up to 8GB MicroSD, the handheld Scepter III GIS data collector is a high performance device designed to give you all the power you need to work with maps and large datasets in the field. Powered by Windows Mobile, the Scepter III gives you the freedom to choose a software solution that meets the needs of your field work.

**Dependent on software used*

Champion Scepter III



Champion
INSTRUMENTS

Champion Scepter III

Overview

Processor	806 MHz
Storage	1GB (expandable to 8GB using a MicroSD card)
RAM	256MB
Operating System	Microsoft Windows Mobile
Mic	✓
Speaker	✓
Display	3.7 in VGA transfective TFT LCD display touchscreen
Display Resolution	480 x 640
Camera	5 megapixel
Dimension	3.7 in (W) x 6.3 in (H) x 1.2 in (D)
Weight	9.6 oz

Communication

Bluetooth 1.0; WiFi connection; GSM/GPRS 850/900/1800/1900 MHz

GPS Performance

External GPS antenna support

RTCM2.3/SBAS IN; RAW data output

TTFB Cold start < 50 s; Hot start < 10 s

NMEA-0183 protocol output

Receiver Performance Data

Receiver Type 50 channel u-blox 6 engine

GPS L1 C/A code

SBAS: WAAS, EGNOS, MSAS

Navigation update rate up to 5 Hz

Accuracy¹ Position 2.5 m CEP; SBAS 2.0 m CEP

Acquisition¹ Cold start: 27 s; Aided start²: 4 s; Hot start: 1 s

Sensitivity³ Tracking: -159 dBm; Cold start: -147 dBm; Hot start: -156 dBm

Environmental Specifications

Operating Temperature -20 °C to +60 °C (-4 °F to 140 °F)

Storage Temperature -30 °C to +70 °C (-22 °F to 158 °F)

Waterproof & Dustproof IP65

Drop 1.2 m protection

¹ All SV @ -130 dBm

² Dependent on aiding data connection speed and latency

³ Demonstrated with a good active antenna

Standard Accessories

- ▶ Li-ion battery
- ▶ Belt clip with stylus
- ▶ USB connectivity cable
- ▶ AC adapter
- ▶ Microfiber cleaning cloth
- ▶ Clear screen protector
- ▶ Replacement stylus

Optional Accessories

- ▶ External battery charger
- ▶ Spare li-ion battery
- ▶ Vehicle power adapter
- ▶ External GPS antenna

Compatible Software

- ▶ Carlson SurvCE
- ▶ MicroSurvey FieldGenius

We will not let you fail.



eGPS Solutions
4317 Park Drive
Suite 104
Norcross, GA 30093

t: 770.695.3361
f: 770.695.0803
info@egps.net
www.egps.net

Champion
INSTRUMENTS
www.championinstruments.com

