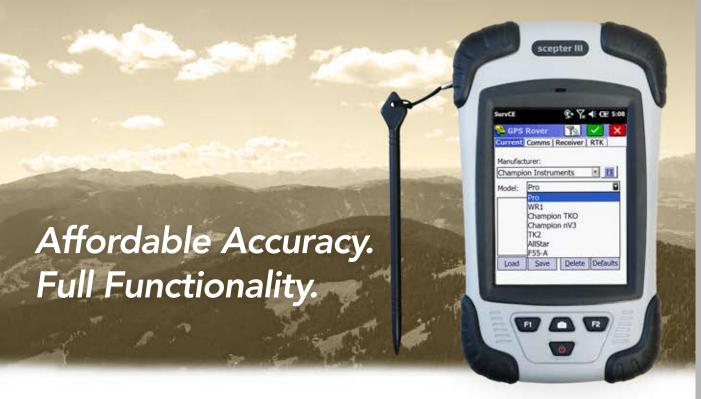
# Data Collector Champion Scepter III



### 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 Bluetoothenabled 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.

SERITE

Chambion

#### **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**

| 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 transflective 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      |  |

#### 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

TTFF 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 |  |
|-----------------------------------|--|
| Accuracy <sup>1</sup>             | Position 2.5 m CEP; SBAS 2.0 m CEP                               |
| Acquisition <sup>1</sup>          | Cold start: 27 s; Aided start <sup>2</sup> : 4 s; Hot start: 1 s |
| Sensitivity <sup>3</sup>          | Tracking: -159 dBm; Cold start: -147 dBm;<br>Hot start: -156 dBm |

| <b>Environmental Specifications</b> |
|-------------------------------------|
|-------------------------------------|

| 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                    |

<sup>&</sup>lt;sup>1</sup> All SV @ -130 dBm

#### **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



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<sup>&</sup>lt;sup>2</sup> Dependent on aiding data connection speed and latency

<sup>&</sup>lt;sup>3</sup> Demonstrated with a good active antenna