

Data Collector Champion HC1



Work with Confidence.

Works with GPS, Total Stations and Robots Using Long Range Bluetooth

Faster. More Features. And a Battery that Lasts All Day!

Building on the success of our previous Champion data collectors, the HC1 is more flexible and rugged than ever before. With an upgraded USB port for durability and optional NFC (Near Field Communication) for future devices, along with a long range Bluetooth radio, short range Bluetooth and a 9 pin RS232 serial port, we feel we have created the perfect data collector. The internal mapping grade GPS makes this unit a good choice for ESRI GIS applications, as well as Carlson SurvCE and MicroSurvey FieldGenius.

Long Range Bluetooth

Buy this unit with confidence knowing you can use it with yesterday's total stations and robots with external radios and today's GNSS receivers, total stations and robots using long range Bluetooth.

Choice, Choice, Choice

Network connectivity for RTN rovers and file transfer is accomplished through the convenient internal 3G GSM modem or WiFi, depending on the wireless coverage in your area.

Features

- ▶ 3G GSM modem, WiFi, Bluetooth and 900 ft long range Bluetooth
- ▶ Internal mapping grade GPS
- ▶ IP54 - Limited protection against dust and water
- ▶ 6500 mA battery - Lasts all day!
- ▶ 9 pin serial port
- ▶ 3.7" sunlight readable screen
- ▶ 1 year warranty
- ▶ 1.2 lbs with battery
- ▶ 806 MHz, 512MB RAM, 1GB storage expandable to 33GB
- ▶ 5 megapixel camera
- ▶ 7.87" x 3.78" x 1.26"

Champion HC1



Champion
INSTRUMENTS

Champion HC1

Overview

Processor	806 MHz
Storage	1GB (expandable to 33GB using a MicroSD card)
RAM	512MB
Operating System	Windows Mobile 6.1
Multi-Language	✓
Keypad	27 numeric + programmable keys
Mic	✓
Speaker	✓
Display	3.7" sunlight readable with integrated touchscreen
Display Resolution	480 x 640
Camera	5 megapixel
Dimension	7.87"(W) x 3.78"(H) x 1.26"(D)
Weight	1.2 lbs with battery

GNSS Performance

GPS L1	✓
Channels	50
NMEA-0183	✓
External Antenna	✓

Accuracy (Internal Accord Accuracy)

Autonomous	2.5 m
SBAS	2 m
DGPS	1.5 m

Time to First Fix

Hot Start	1 s
Warm Start	29 s
Cold Start	29 s
Re-Acquisition	1 s

Communications & Data Storage

Long Range Bluetooth	✓
GSM/3G	3G
WiFi	✓
USB Port	Type B USB
Serial Port	DB9 (RS232)
Voice	✓

Power

DC Input	DC 5 V, 1 A
Detachable Li-ion Battery	6500 mA, 3.7 V

Environment

Operating Temperature	-20 °C ~ +60 °C (-4 °F ~ 140 °F)
Storage Temperature	-30 °C ~ +70 °C (-22 °F ~ +158 °F)
Limited Dust and Water	IP54
Drop	1.2 m

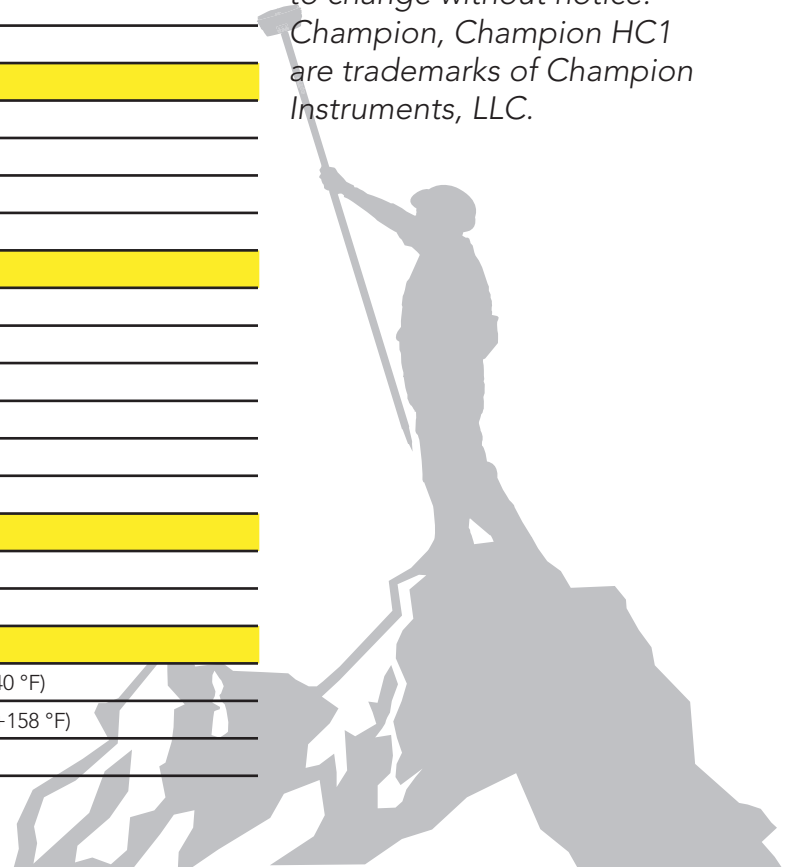
Standard Accessories

- ▶ Belt clip with stylus
- ▶ USB connectivity cable
- ▶ DC charger
- ▶ Serial cable
- ▶ Clear screen protector

Optional Accessories

- ▶ Champion AS1-S GNSS antenna
- ▶ External GNSS antenna cable
- ▶ Champion 2 meter GNSS pole
- ▶ Champion HW-02 mounting bracket and claw
- ▶ Bipod

Specifications are subject to change without notice. Champion, Champion HC1 are trademarks of Champion Instruments, LLC.



We will not let you fail.



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