

FOCUS DATA COLLECTOR

DATASHEET



Clip onto a FOCUS 50 total station, or work robotically

Connect to GNSS receivers and auxiliary devices via Bluetooth

Designed to work with our easy-to-learn Origin field software

Seamless data transfer using Connect cloud, docking station or USB stick

5-inch multi-touch screen

Android™ Operating System

The FOCUS Data Collector Designed for Optical and GNSS Surveying Systems

The Spectra Geospatial® FOCUS® data collector is an attachable control unit designed to combine Spectra Geospatial optical and GNSS surveying systems. There are four ways to use the FOCUS data collector:

- Clip onto any FOCUS 50 total station so you can work hands-free behind the instrument
- Control a FOCUS 50 Long Range Robotic total station remotely using the robotic holder and long range radio
- Perform a GNSS survey using a receiver, a robotic holder and Bluetooth®
- Integrated survey using both the FOCUS 50 total station and a GNSS receiver simultaneously. Easily switch between the two methods when working in variable environments, or for simplified resections

With its large 5" multi-touch screen, you can easily navigate all of the Spectra Geospatial Origin software functions, including the interactive map view.

With no additional batteries to charge, the FOCUS Data Collector is compact and extremely portable. It's also easy to transfer data using a USB stick, WiFi and Connect cloud, or using the docking station.

FOCUS Data Collector, for every way you work.

STANDARD FEATURES SYSTEM

- Bluetooth® v 4.1
- Wi-Fi IEEE 802.11 a/b/g/n 2.4 GHz / 5 GHz dual-band
- 5.0 inch LED-backlight screen with capacitive multi-touch
- iMX 6 series 32-bit MPU, Dual ARM Cortex-A9 core
- 2 GB RAM
- 16 GB flash memory
- Integrated speaker

OPERATING SYSTEM

- Android 7.1.1(Nougat)
- Languages available: Afrikaans, Azerbaijani, Bulgarian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hindi, Hungarian, Italian, Japanese, Korean Lithuanian, Norwegian (Bokmal), Polish, Portuguese (Portugal and Brazil), Romanian, Russian, Serbian (Cyrillic), Simplified Chinese, Spanish, Swedish, Turkish
- Software package includes: Spectra Geospatial Installation Manager

STANDARD ACCESSORIES

- USB cable
- Docking station including power supply

OPTIONAL ACCESSORIES

- Pole bracket
- Robotic holder

SOFTWARE COMPATIBILITY

- Origin Field Software

TECHNICAL SPECIFICATIONS PHYSICAL

- Size: 176 mm x 112 mm x 30 mm (6.9 in x 4.4 in x 1.2 in)
- Weight: 437 g (0.96 lb)
- Processor: iMX 6 series 32-bit MPU Dual ARM Cortex-A9 core
- Clock frequency: 800 MHZ
- Memory: 2 GB RAM
- Storage: 16 GB
- User Interface Keyboard: Power key, Spider key, Enter key, 3 standard Android keys
- Audio: Built-in speaker

TOUCH SCREEN

- Size: 5.0" capacitive multi-touch
- Resolution: 1280 x 720

ENVIRONMENTAL

- Temperature
 - Operating: -20 °C to +50 °C (-4 ° to +122 °F)
 - Storage: -30 °C to +70 °C (-22 °F to +158 °F)
- Humidity: 95% non-condensing (EN60068-2-30)
- Water & Dust proof: IP65
- Free drop: 1 m (EN 60068-2-31)



Focus 50 Total Station Model Compatibility

FOCUS Data Collector Connection Type	Autolock	Short Range Robotic	Long Range Robotic
ONBOARD CONNECTION	✓	✓	✓
WIRELESS CONNECTION	N/A	N/A	✓ with robotic holder

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Please visit spectrageospatial.com for the latest product information and to locate your nearest distributor. Specifications and descriptions are subject to change without notice.