





Ideal Cross-Over Device for Field Data Collection

- Large 5.7 in. VGA color touchscreen
- IP67 environmental rating
- 3.5G cellular module (optional)
- Windows Mobile® 6.5.3 Professional OS
- Internal GPS with 2-5 m accuracy (optional)

Large screen, yet still handheld comfortable

The Topcon Tesla screen is much larger than a palm sized field controller, but the overall size of the device is much better than a tablet PC. The ergonomic balance between screen size and handheld size is perfect. The screen of the Topcon Tesla can be configured to display vertically or horizontally. Simply touch the rotation button and the screen will rotate. This makes it possible to use in both handheld vertical and on the pole horizontal orientation.

Durable and reliable

The rugged design of the Topcon Tesla is unmatched in such a large screen format. The device is submersible waterproof, and drop proof. The frame is magnesium alloy, which is both lightweight and strong. Your data will be protected and the reliability of the device in the most challenging environments is unmatched. Dual hot-swappable batteries provide up to 16 hours of runtime and are accessed with a simple turn of a coin on the back of the device. Protected and secure, the SD card and SIM card slots are located under the battery and inside the battery door.

Options

The Topcon Tesla can be configured with internal *Bluetooth*®, Wi-Fi, GPS, camera and cellular functionality. There are additional options such as built-in bar code reader and integrated precision GNSS receiver for network RTK capability. This long list of functionality makes the Topcon Tesla a perfect pairing with a robotic system, total station, or RTK rover. The Topcon Tesla has an optional docking station configurable for in-cab vehicle operation for a site manager.



LongLink™

The exclusive LongLink™ functionality in Topcon instruments provides lightweight, long range communication capabilities never before offered in a manual total station. With a 300+ m wireless communication range, you can now operate the data collector from the “smart-spot” of the crew, the prism pole. Also referred to as the two-man, economical robot solution, Topcon’s new LongLink™ technology brings a whole new level of flexibility to your manual field crew.



Computer	
CPU	806 MHz PXA320 Processor
OS	Microsoft® Windows Mobile® 6.5.3 Professional Multiple languages
Memory	256 MB RAM ,4 GB Flash storage, SD/SDHC slot, user accessible
Display	145 mm color VGA LCD (640 x 480) portrait or landscape orientation
Keypad	15 control buttons (6 user reassignable) Five-way directional navpad adjustable LED backlit keys
Camera (Geo Models)	3.2 megapixel resolution with autofocus
Wireless Connectivity Options	
Bluetooth®	2.0 + EDR, Class 1
Wi-Fi	802.11 b/g
GSM (Geo 3G models)	Penta-band 3G GSM/ GPRS/EDGE/HSDPA 850/900/1800/1900/ 2100 MHz
Environmental	
Water/Dust Rating	IP67
Operating Temp	-30°C to 60°C
Temperature Shock	MIL STD-810G, Method 503.5, Procedure-I-C; -30°C to 71°C
MIL-STD-810G	Drop 1.2 m, Vibration, Humidity; Tumble spec: 1,000 0.5 m tumbles (2,000 drops)
Dimensions	Standard model: 136 x 200 x 51 mm Geo model: 136 x 220 x 51 mm
Operating Time	Up to 16 hours



Large 5.7 in. color screen

- On-screen keyboard
- Large icons for finger operation
- Sunlight readable
- Direct touch and gloved touch

Waterproof connections

- Mini USB client
- Type A USB host
- 9-pin Serial COM port 1
- Headset, microphone jack
- 12V DC power port

Rugged and waterproof

- IP67 environmental rating
- 4 foot drop proof
- Waterproof communication ports

3.5G cellular

- Integrated cellular modem (Geo 3G model)
- Fast data exchange
- Internet and cloud connections
- Penta-band, global coverage



For more information:
topconpositioning.com/tesla

Specifications subject to change without notice.
©2016 Topcon Corporation All rights reserved.
7010-2193 C 2/16

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Topcon is under license. Other trademarks and trade names are those of their respective owners.

