



TRIMBLE TSC3 CONTROLLER



LARGE 4.2 INCH, HIGH-RESOLUTION LCD TOUCH SCREEN AND ALPHANUMERIC KEYPAD MAKE IT EASY TO ENTER DATA

3G MODEM CAN RECEIVE BASE STATION CORRECTIONS, SEND EMAIL, AND SYNC WITH THE CONNECTED COMMUNITY

IN-BUILT GPS AND 5MP CAMERA ALLOW YOU TO COLLECT SITE INFORMATION FOR DOCUMENTATION AND QUALITY CONTROL

OPTIONAL INTERNAL 2.4 GHZ RADIO GIVES IT FLEXIBILITY FOR GNSS OR TOTAL STATION OPERATIONS

COMES PRE-INSTALLED WITH TRIMBLE SCS900 SITE CONTROLLER SOFTWARE

RUGGED, HANDHELD FIELD CONTROLLER TO IMPROVE CONSTRUCTION PRODUCTIVITY

Featuring onboard GPS, wireless communications and a digital camera, the TSC3 is the contractor's new information hub.

Rugged, Durable Design

The Trimble TSC3 is water and dust resistant to withstand the toughest weather and jobsite conditions. The controller's display is designed for operation in all light conditions whether at night or in the bright sunshine. And it operates in temperatures ranging from -30 C to +60 C (-22 F to 140F).

Cable-free Operation

The Trimble TSC3 controller is designed to operate with all Trimble Site Positioning Systems, including the SPS882 GNSS Smart Antenna, SPS852 GNSS Modular Receiver, and SPS series total stations. Integrated Bluetooth wireless technology delivers cable-free communication between the TSC3 and Trimble GNSS Receivers. The integrated 2.4GHz radio provides an ergonomic solution to total station measurement, further eliminating components and cables from the rod.

Connectivity

As part of the Trimble Connected Construction Site, the TSC3 comes standard with integrated 3G modem and 802.11 Wi-Fi capability for instant network access wherever a wireless network is available. This integrated connectivity provides the ability to rapidly send and retrieve data and additionally send/receive email without the need for additional components or plug-in cards.

Ideal for grade checkers, site engineers and surveyors



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TECHNICAL SPECIFICATIONS

Standard software

Windows Mobile® 6.5 Professional operating system, including:

- SMS Text Messaging Support
- Microsoft Office Mobile:
 - Word Mobile
 - Excel Mobile
 - PowerPoint Mobile
 - Outlook Mobile
- Internet Explorer Mobile
- Notes / Tasks
- Task Manager
- Calculator
- Microsoft Pictures and Videos
- Customized Camera and Flash control including geo-tagging through Microsoft Pictures & Videos software
- Flashlight mode control application
- Calendar / Contacts
- Windows Media Player
- Messenger
- Adobe Acrobat Reader
- Trimble SatViewer (GPS interface software application)

Trimble Field Software Solutions

The Trimble TSC3 controller runs Trimble SCS900 Site Controller Software for heavy construction applications.

HARDWARE

Physical Specifications

Size	141 mm x 278 mm x 64 mm (5.6 in x 10.9 in x 2.5 in) 80 mm (3.2 in) at handgrip
Weight	1.04 kg (2.3 lb) including rechargeable battery 1.10 kg (2.4 lb) including rechargeable battery and optional internal 2.4 GHz radio-modem
Housing	Polycarbonate (case), Hytrel® (overmold)

ENVIRONMENTAL SPECIFICATIONS

Meets or exceeds:

Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)
Storage Temperature	-40 °C to 70 °C (-40 °F to 158 °F)
Temperature shock	-35 °C/65 °C (-22 °F/149 °F)
Humidity	MIL-STD-810G, Method 503.5, Procedure I
	MIL-STD-810G, Method 507.5
Sand & dust	IP6x: 8 hours of operation with blowing talcum powder (IEC-529)
Water	IPx7: Immersed in 1 m of water for 30 minutes (IEC-529)
Drop	26 drops at room temperature from 1.22 m (4 ft) onto plywood over concrete
	MIL-STD-810G, Method 516.6, Procedure IV
Vibration	General Minimum Integrity and Loose Cargo test
	MIL-STD 810G, Method 514.6, Procedures I, II
Altitude	4,572 m (15,000 ft) at 23 °C (73 °F) and 12,192m (40,000 ft.) at -30 °C (-22 °F)
	MIL-STD-810G, Method 500.5, Procedures I, II, III

ELECTRICAL SPECIFICATIONS

Processor	Texas Instrument Sitara™ 3715 series ARM™ Cortex-A8™ Processor (800 MHz)
Memory	256 MB RAM
Storage	8 GB non-volatile NAND Flash onboard
Expansion	SDHC memory slot, USB host
Batteries	11.1 V, 2600 mAh, 28.9 Wh Li-Ion rechargeable pack Battery life of 34 hours under normal operating conditions. Full charge in 3.0 hours.
Notification LEDs	3 x tri-colored notification LEDs
Display	4.2 in (107 mm) landscape VGA display, 640 x 480 pixels sunlight-readable color TFT with LED backlight, resistive touchscreen
Keyboard	Full ABC keyboard with 10-key number pad, directional buttons, and 4 programmable buttons
Audio	Integrated speaker and microphone with 3.5 mm stereo headset connection for audio system events, warnings, and notifications.
I/O	USB Host (full speed), USB Client (high speed), DC power port, 9-pin serial RS-232
Wireless	integrated Bluetooth 2.0+EDR, integrated Wi-Fi 802.11 b/g integrated quad-band GSM/GPRS/EDGE: 850/900/1800/1900 MHz, 2/6 Mbit/s 3G HSDPA GSM WWAN integrated 2.4 GHz frequency-hopping spread-spectrum radio modem (optional)
Camera / GPS / Compass / Accelerometer	.5 MP auto focus camera with dual white light LED flash, LED flashlight function integrated GPS (SBAS enabled) integrated compass integrated accelerometer

CERTIFICATIONS

Class B Part 15 FCC certification, CE Mark approval and C-tick approval. RoHS compliant. Bluetooth type approvals and regulations are country specific.

MIL-STD-810G, IP 67, MIL-STD-461, PTCRB, GCF compliant, Wi-Fi Alliance certified.

Country type certifications: USA, Canada, EU, New Zealand, Australia.

Pending certifications: Brazil, China (PRC), India, Japan, Republic of Korea, Russia, Taiwan, Thailand, UAE

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Specifications subject to change without notice.



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