



### KEY FEATURES

- Exceptional performance in the field—even in extreme temperatures
- Full keyboard, 8-way spider key and touch screen
- Bright-color, daylight-readable display
- Large 512 MB memory capacity, 128 MB RAM and 516 MHz processor quickly handles large projects
- Integrated Bluetooth wireless technology eliminates the need for cables
- Integrated 2.4 GHz radio for robotic operation on Trimble total stations
- Integrated WiFi for fast wireless networking
- Ergonomic design fits comfortably in your hand



### RUGGED HANDHELD CONTROLLER FOR TOTAL STATION OR GPS OPERATION

The Trimble® TSC2™ Controller is a rugged, adaptable handheld data collector powered by Trimble SCS900 Site Controller Software. Running on a Microsoft® Pocket PC® operating system, the Trimble TSC2 offers an intuitive, easy-to-use interface for a wide range of site positioning applications, and has the power to hold information for multiple large jobsites to suit your needs.

### Rugged, durable design

The Trimble TSC2 is water and dust-resistant to withstand the toughest weather and jobsite conditions. The controller has an illuminated keyboard and display for operation in low light conditions. The Trimble TSC2 operates in temperatures ranging from -30 °C to +60 °C (-22 °F to +140 °F).

### Keyboard, touch screen, and 8 way spider key

The Trimble TSC2 controller gives you a choice of operating the Trimble SCS900 Site Controller Software using the full alphanumeric keyboard and 8-way spider key, or using the easy-to-use color touch screen for maximum data control efficiency. The touch screen provides instant results and simplifies navigation, data selection, positioning, and stakeout.

### Color graphic display

The Trimble TSC2 color graphic display is clearly readable in a wide range of field conditions. The display's reflective LCD technology makes it easy to read in bright sunlight and is back lit to operate in low light levels, such as on dark winter days. The display makes it easier to read simple text, as well as complex maps and technical drawings. Having color graphics right at your fingertips facilitates navigating and positioning, and speeds up stakeout and data selection. Additionally, you'll significantly improve management and quality assurance, as well as minimize errors and omissions because you can thoroughly check your data in the field.

### Large memory and portable data capability

The Trimble TSC2 controller comes standard with 512 MB of Flash memory and 128MB RAM. It also comes standard with two compact flash expansion card slots, and one SD card slot. It also supports USB memory sticks. This large storage capacity

means that you can work with data for the largest projects, and can work in the field longer without backup storage. Measured surface or design data can easily be transferred between Trimble SCS900 and Trimble GCS900 Grade Control Systems. You can get machines up and running with data without returning to the office.

### Trimble SCS900 Site Controller Software

Designed for construction site measurement and stakeout Trimble SCS900 Site Controller Software measures, computes volumes, and loads CAD and surface model files for jobsite stakeout and grade checking applications. Using the Trimble TSC2 with SCS900 Site Controller software gives supervisors, foremen, grade checkers, and site engineers total control of site operations.

### Cable-free operation

The Trimble TSC2 controller with Trimble SCS900 software is designed to operate with all Trimble Site Positioning Systems, including Trimble SPS781, SPS881, SPS751, SPS851 GPS Receivers and Trimble SPS610, SPS730 and SPS930 Total Stations. Integrated Bluetooth® wireless technology, delivers cable-free communication between the Trimble TSC2 and SPS GPS receivers. The Trimble TSC2 is also available with integrated 2.4 GHz radio, providing an ergonomic solution to total station measurement, further eliminating components and cables from the rod.

### Connectivity

As part of the Trimble Connected Construction Site solutions, the Trimble TSC2 controller comes standard with integrated 802.11 WiFi capability to deliver instant network access wherever a wireless network is available. WiFi provides the ability to rapidly send and retrieve data from the network and additionally send / receive email without the need for additional components or plug in cards.

### Pocket PC operating system

The Trimble TSC2 PC operating system offers familiar Microsoft Office applications such as Pocket Excel and Pocket Word for viewing reports generated by Trimble SCS900.

# TRIMBLE TSC2 CONTROLLER

## PHYSICAL CHARACTERISTICS

Length ..... 28.2 cm (11.1")  
Width ..... 10.5 cm (4.1")  
Height ..... 4.4 cm (1.7")  
Handgrip ..... 7.6 cm (3")  
Weight ..... 1.1 kg including battery, radio, and radio whip antenna  
Memory ..... 512 MB flash disk; 128 MB SDRAM  
Processor ..... Intel® Bulverde PX-A27 at 516 MHz  
Power ..... Li-Ion rechargeable pack, 6600 mAh, battery life of 30 hours under normal operating conditions.  
Fast charge to 80% in 2 hours; full charge in 4.5 hours.  
Battery charge status LED indicator  
Certification ..... Class B FCC certification, CE Mark approval, CSA, and C-tick approval  
Bluetooth type approvals and regulations are country specific  
Controller type ..... Handheld controller.  
Can be connected to the Trimble SPS781, SPS881, SPS751, and SPS851 GPS Receivers, the Trimble SPS610 Total Station and Trimble SPS730 and SPS930 Universal Total Stations, and robotic remote control radios.

## INTERFACE CHARACTERISTICS

Display ..... 320 x 240 pixel QVGA reflective color TFT, LED back-lit illuminated display  
Touch Screen ..... Passive touch screen, works with stylus or finger  
Keyboard ..... 52-key tactile action with separate navigation, alpha and numeric keypads, 8-way spider key  
Audio ..... Integrated speaker and microphone for audio events, warnings and notifications, recording  
Operating system ..... Microsoft® Windows Pocket PC 5.0

## INPUT / OUTPUT CHARACTERISTICS

Serial Port ..... COM1, 9-pin D-Sub RS232 (115 kB/s) with 5 V (250 mA) on pin 9  
USB Port 1 ..... USB client connector v2.0  
USB Port 2 ..... USB host connector v2.0  
Compact Flash 1 ..... Compact Flash Card slot v1.2 Type 1  
Compact Flash 2 ..... Compact Flash Card slot v1.2 Type 2

SD I/O ..... Secure Digital Card slot  
Integrated Bluetooth ..... Bluetooth v1.2

## ENVIRONMENTAL CHARACTERISTICS

Operating Temperature ..... -30 °C to +60 °C (-22 °F to +140 °F)  
Storage Temperature ..... -40 °C to +60 °C (-40 °F to +140 °F)  
Sand and dust ..... IEC 529 IP6X, MIL-STD-810F, Method 510.3  
Water ..... IEC 529 IPX7, MIL-STD-810F, Procedure I  
Drops ..... 48" onto 2-inch plywood over concrete, 26 drops room temperature (all faces, edges, corners, one drop each), 6 face drops at +60 °C, 6 face drops at -20 °C  
Vibration ..... MIL-STD-810F, Method 514.5, Procedure I; General Minimum Integrity Test  
Altitude ..... MIL-STD-810F, Method 500.4

## INCLUDED SOFTWARE APPLICATIONS

- Trimble SCS900 Site Controller Software
- Microsoft Windows® Explorer®
- Pocket Internet Explorer
- Microsoft Wordpad®
- Microsoft Windows Media Player®
- Microsoft ActiveSync®
- Microsoft Windows Mobile 2003, Second Edition
- Microsoft Pocket Excel
- Microsoft Outlook®
- File transfer (remote)
- File viewers for Microsoft Image® and Word

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