

# TSCe Controller

## The flexible data collector of choice

The TSCe controller is a rugged and adaptable handheld data collector. Running powerful Trimble field software on a Microsoft® Windows® operating system, TSCe provides exceptional control of Trimble GPS and optical sensors, whatever your surveying or construction application.

## Exceptional in the field even in extreme temperatures

The TSCe controller is the rugged data-collection solution that fits comfortably in your hand and in your field processes. And because it's designed to take the knocks and drops of the surveying and construction environment, the TSCe controller's ruggedness makes it a reliable and

dependable member of your field crew. When sunlight, and it is front lit for when light levels you're out working long days, TSCe will keep the screen low, such as on dark winter days, working right there with you.

In extremely cold temperatures, TSCe is more robust than ever before. With its new color touch screen, TSCe will easily operate in temperatures as low as  $-25^{\circ}\text{C}$  without the addition of an internal heater.

## Full keyboard and touch screen

On the TSCe controller you can choose to drive your data collection software using the full alphanumeric keyboard, or via the easy-to-use color touch screen—TSCe enables you to use either method or method combination that provides you with the most efficient data control.

The instant results of the touch screen offer complete control over data and make light work of navigation, data selection, positioning, and stakeout.

## Color graphic display

The color graphic display of the TSCe controller is clearly readable in a wide range of field conditions. The display's reflective LCD technology makes it easy to read in bright

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The color display makes not only simple text easier to read, but also complex maps and technical drawings. Having these graphics in your right at your fingertips makes navigating and positioning much easier, and speeds up stakeout and data selection. Data management and quality assurance are also greatly improved. Because you can thoroughly check your data in the field, errors and omissions are minimized.

The TSCe controller comes with 512 MB of CompactFlash memory as standard. This large storage capacity means that you can work with larger data files and background maps, and that you can work for longer in the field without backup storage.

## Adaptable

The TSCe controller is designed to operate with all your Trimble sensors, including the Trimble® R7 and R8 GPS receivers with R-track technology, the 5700 and 5800 GPS receivers, and the 3600 and 5600 total stations. It also supports many major third-party total



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## Specifications

Power . . . . . Internal 3800 mAh NiMH rechargeable battery pack  
Battery life of 30 hours under normal operating conditions  
Complete recharge in under three hours

Size . . . . . 25.8 cm (10.2 in) × 13 cm (5.1 in) × 5.2 cm (2.1 in)  
7.4 cm (2.9 in) at handgrip

Weight . . . . . 990 gm (2.2 lb) including battery

Certification . . . . . FCC class B, CE Mark, CSA, and C-tick approval

Serial Port I/O . . . . . 9-pin serial port—RS232 (115 kB/s),  
COM1 with 5 V (250 mA) on pin 9

MultiPort I/O . . . . . 26-pin MultiPort—RS232, COM2, Ethernet 10BaseT,  
USB client, power in/out and audio in/out  
0-Shell Lemo  
RS-232 (115 kB/s)

Processor . . . . . Intel StrongARM SA-1110 @ 206 MHz

Memory . . . . . 512 MB non-volatile flash disk; 64 MB SDRAM

Display . . . . . 320 × 240 pixels (1/4 VGA) reflective color TFT,  
frontlight illuminated display

Touch Screen . . . . . Passive touch screen, works with stylus or finger

Keyboard . . . . . 57-key tactile action with separate navigation,  
alpha and numeric keypads

Audio . . . . . Integrated speaker and microphone

## Environmental

Temperature:  
Operating . . . . . -25 °C to 60 °C (-13 °F to 140 °F)  
Storage . . . . . -30 °C to 60 °C (-22 °F to 140 °F)

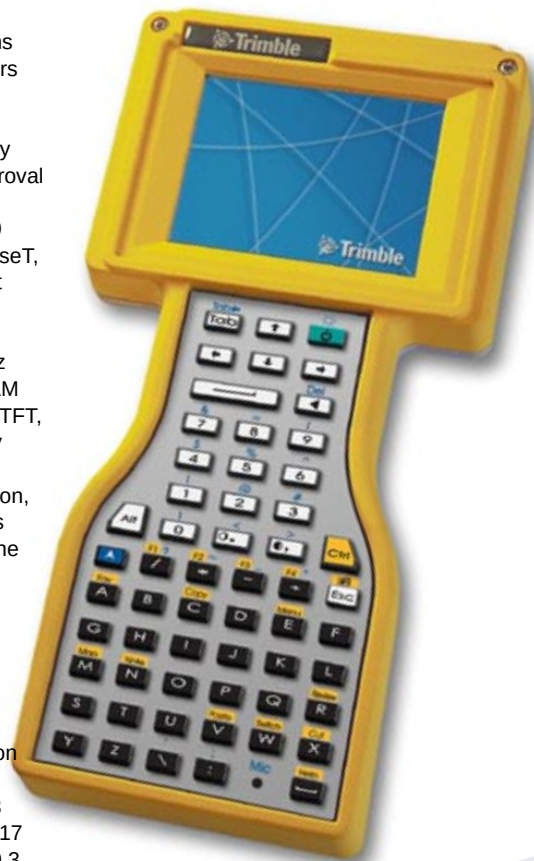
Water . . . . . ICE 529, IP 67, sealed against temporary immersion

Drop . . . . . 1.22 m (4 ft) to concrete on all faces, edges and corners

Sand and Dust . . . . . ICE 529, IP 6X and MIL-STD-810E, Method 510.3

Vibration . . . . . MIL-STD-810E, I-3.4.9 category 10, Fig 16 and 17

Altitude . . . . . MIL-STD-810E, Method 500.3



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