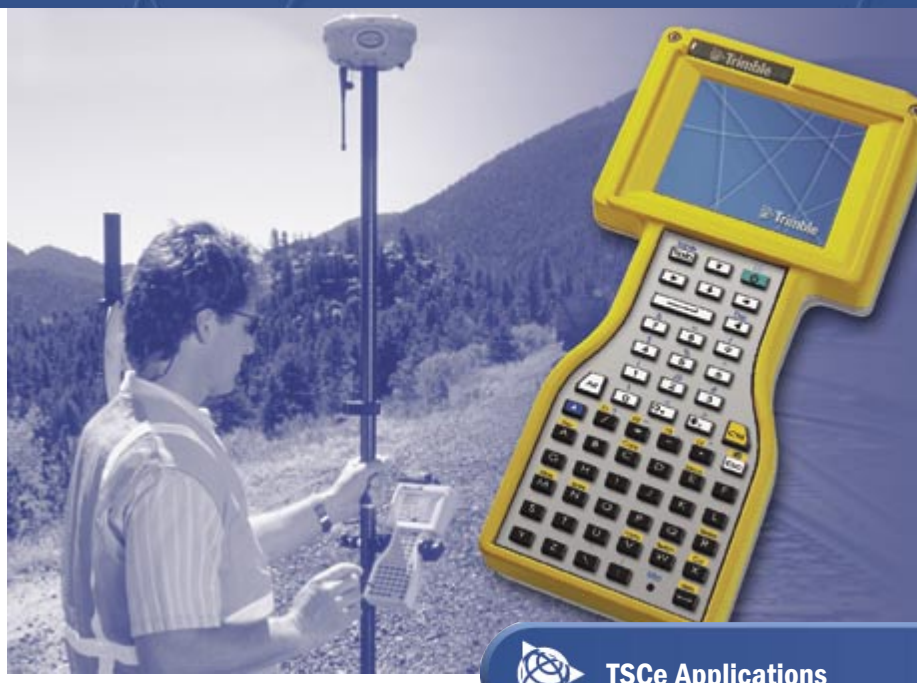
TSCe Controller

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 you're out working long days, TSCe will keep on 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 °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 the 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 sunlight, and it is front lit for when light levels are low, such as on dark winter days.

The color display makes not only simple text easier to read, but also complex maps and technical drawings. Having these graphics in colour 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.

Large memory capacity

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 stations. In addition, when the Trimble BlueCap module is used, Bluetooth® wireless technology provides cable-free communication with the Trimble R8 and 5800 GPS systems.

TSCe Applications

- Exceptional in the field even in extreme temperatures
- Full keyboard and touch screen
- Color graphic display
- Large memory capacity
- Adaptable

Trimble®

TSCe Controller

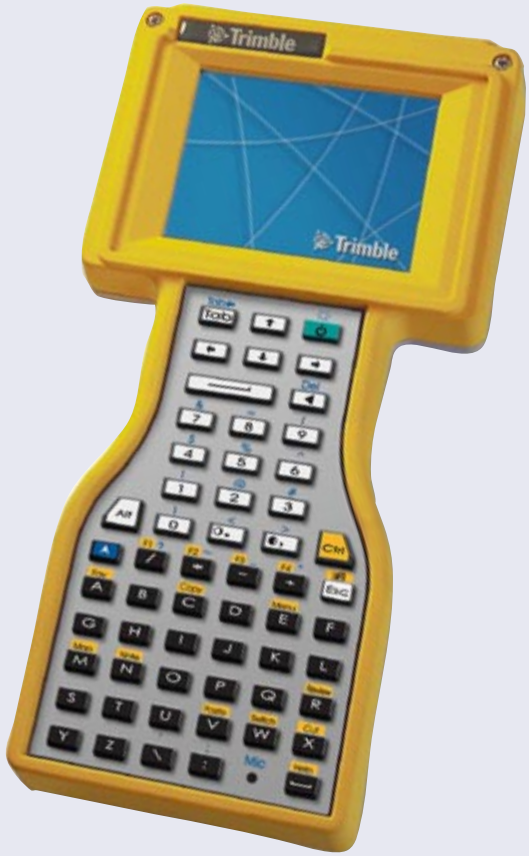
The flexible data collector of choice

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 (¼ VGA) reflective color TFT, frontlight Iluminated 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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