



SURVEY INSTRUMENTS

**TOPCON**<sup>®</sup>



# FC-100 FC-2000

Graphical Windows CE<sup>®</sup> Field Controllers



ISO 9001:2000  
FM 68448

Topcon's field controllers are designed and built by Topcon not some third party manufacturer. It is only fitting that a field computer this rugged should be designed and built by the World leader in construction positioning instrumentation. Building instruments for surveyors for over 70 years, Topcon knows what you need in the field. More importantly, Topcon knows what you demand!



### Easy accessible data storage slots

The FC-2000 and FC-100 field controllers have an easily accessible Compact Flash card slot to store your data. The FC-100 is also equipped with dual storage slots that provide the option of using Compact Flash® and advanced technology SD removable media. This design advantage allows the user to run a Bluetooth wireless card in the CF slot without losing the ability to off-load or import new data in the field.



### Powerful controller combinations

At its heart is a powerful 400 Mhz Intel X-Scale processor providing the speed and performance your customers demand. With a standard 128MB of built-in RAM, the Topcon FC-2000 has been designed to handle even the most complex projects with ease. Replacing the FC-1000, the FC-2000 takes its place next to the popular FC-100 in our field controller product lineup. Topcon gives you the added flexibility to offer your customer the right field computer to meet their needs.

## FC-2000 Field Controller

Topcon's new field controller has all the same great features as the FC-1000 but now with a color screen. The FC-2000, represents the most powerful controller combinations in the industry. Finally, a Single Source Solution for all of your field controller needs!

- Ultra-bright, TFT sunlight-active, color touch screen display
- Powerful 400MHz Intel Xscale processor
- Windows CE® operating system
- Expanded keyboard (56 key keyboard with separate alpha and numeric)
- Removable Compact Flash Card
- 2 comm Ports (9-pin serial, 6-pin instrument) / USB Port
- Removable Li-Ion Batteries (off the shelf mini-cam batteries)

### Rugged Design

The FC-2000 was built to withstand the rugged use required in the field. A shockproof and waterproof design is only the beginning for this advanced controller.

The keyboard is designed to be easy to use whether you are wearing gloves in the cold, or suffering through the summer heat. The unit even has a hook on the back to hang the FC-2000 on the tripod leg!



## FC-100 Field Controller

Bringing together rugged construction, full-color display, dual removable storage media, and Windows.CE.NET operating system, the FC-100 is a compact field controller that is equipped to handle large-scale work.

- Graphical Windows CE® operating system
- Ultra-bright, TFT sunlight-active, color touch screen display
- Powerful 400MHz Intel Xscale processor
- Compact Flash and advanced technology SD removable media
- Removable Li-Ion Batteries (off the shelf mini-cam batteries)

### TopSURV Field Controller Software

Windows CE® Software for surveying and data collection

This Windows CE® software installs easily in just minutes onto the new FC-2000 field computer and the FC-100. Providing the user with an intuitive graphical user interface, TopSURV has set a new standard for field data collection, stakeout, and control work.

The menus and screens have been designed with the operator in mind. No hassles of hunting around for an option hidden deep inside some sub-menu. All of the important field operations and features are available at the press of a button or tap on the screen.



**GTS-230W**  
Wireless integrated GPS+ total station



**HiPer+**  
Wireless integrated GPS+ receiver



**GPT-8200**  
Reflectorless robotic total station



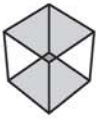
**Pocket-3D**  
Contractor's data collection software



**HiPer Lite+**  
Cable-free integrated RTK GPS+ receiver



**GPT-7000i**  
Imaging total station



# Specifications:

## FC-100

## FC-2000

### Microprocessor

Intel PXA255 X-Scale

Intel PXA255 X-Scale

### Processor Speed

400MHz

400MHz

### Operating System

Windows CE.Net (4.2)

Windows CE.Net (4.2)

### Memory

64MB SDRAM  
ROM: 64MB/128MB (internal)

32MB SDRAM with flash ROM 2MB  
32MB flash disk (internal)

### Data Card

1 - CompactFlash®  
1 - SD Media Card

Removable CompactFlash®

### Bluetooth® Wireless Technology Capable

Yes

Yes

### Display

320 x 240 QVGA (portrait)  
Color Sunlight Readable TFT

320 x 240 QVGA (landscape)  
Color Sunlight Readable TFT

### Backlight

LED

Frontlight (CCFL)

### Keyboard

10 keys with smart keyboard  
technology incorporated in TopSURV

56 key keyboard with  
separate alpha and numeric

### Serial

RS-232C serial (D-sub 9)  
USB (type B mini) Version 1.1

RS-232C serial (6pin)  
RS-232C serial (D-sub 9)  
USB

### External Power

Yes

Yes

### Audio

Sealed Speaker (mono)  
Sealed Microphone

Sealed Speaker (mono)  
Sealed Microphone

### Environmental

Waterproof IP-66

Waterproof IP-66

### Operating Temperature

-20°C to +50°C

-20°C to +60°C

### Batteries

Removable Li-ION rechargeable

Removable Li-ION rechargeable

### Operation

20+ hours, single battery (normal use)  
40+ hours, backlight off

6+ Hours Single battery

### Dimensions

182 x 103 x 58.3mm

255 x 130 x 61.5mm

### Weight

Under 580g (including batteries)

800g (including batteries)



[www.topcon.com](http://www.topcon.com)

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Specifications subject to change without notice

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