

FC-25/FC-25A

Field Controller



- Windows Mobile® 6.5
- Embedded 20 Channel GPS Receiver
- WLAN/Bluetooth® Wireless
- 533MHz CPU / 256MB SDRAM
- Field-exchangeable Li-ion Battery
- Rugged and Lightweight (11.3 oz.)
- IP65 Dust/Water Protection
- FC-25A also with Built-in Camera, Compass, and Altimeter

FC-25/FC-25A SPECIFICATIONS

COMPUTER

CPU	533MHz
OS	Microsoft Windows Mobile® 6.5
Memory	256MB SDRAM, 2GB Flash Memory
Display	3.5" Sunlight Readable TFT color LCD 640x480 VGA with Touch Screen
Keypad	4 keys (including power key) and 1 directional key
Interface	Wireless LAN 802.11 b/g <i>Bluetooth</i> ® Ver.2.0 Class 2 USB Type Mini-B (Host 1.1/Client 2.0, to be switched by software) SD/SDHC Card Slot (Up to 16GB SDHC)

INTEGRATED SENSOR

GPS Type	SiRFstarIII Chipset, GPS L1 (C/A), 20 Channels
Horizontal Accuracy (RMS)*1	DGPS*2: 1m to 3m (3.3' to 9.9'), Point Positioning: 5m (16.4')
Built-in Camera (FC-25A)	3 Megapixels, Auto Focus Camera
Other Sensor (FC-25A)	Electronic Compass, Altimeter

ENVIRONMENTAL

Dust/Water Protection	IP65 (IEC 60529:2001)
Operating Temperature	-22°F to +140°F (-30°C to +60°C)
Temperature Shock	MIL STD-810G, Method 503.5, Procedure I-C; -30°C~71°C
Humidity	Up to 95%, non-condensing
MIL-STD-810G	Drop 5' (1.52m), Vibration, Humidity

PHYSICAL

Dimensions	H 5.75" x W 3.23" x D 1.30" (H 146 x W 82 x D 33mm)
Weight with Battery	11.3 oz (320g)

PHYSICAL

Battery	Removable Li-ion Rechargeable Battery, 3.7V, 2400mAh
Operating Time	7.5 hours with <i>Bluetooth</i> ® connection
Recharging Time	3.5 hours

*1 Accuracy depends on the number of satellites used, SBAS data quality, multipath effects, device position/posture and other environmental conditions.

*2 Using SBAS (WAAS, EGNOS, MSAS). Not compatible with Topcon beacon receivers.

Standard Configuration

- FC-25/FC-25A Field Controller
- Stylus pen
- Touch panel protective film
- Hand strap
- USB cable (Type Mini-B - Type A)
- Rechargeable battery
- Battery charger
- AC power plug x 3
- Quick start guide
- User manual (CD-ROM)

Optional Accessories

- Pole bracket
- Rechargeable battery
- External GPS antenna with cable
- Vehicle mount
- Soft case

Field-exchangeable Battery

Rechargeable Li-ion battery can be removed and replaced at the worksites. Battery charger is available as an optional accessory.



Rugged and Compact

Topcon FC-25/25A features a pocket-sized, lightweight body with exceptional ruggedness. Conforming to the MIL standard[†] and the IP65 dust/water protection, these field controllers are able to survive severe worksite conditions.

[†]The FC-25/25A is tested according to the MIL-STD-810G published on October 31, 2008 which supersedes the previous MIL-STD-810F.



Integrated Sensors

Embedded 20 channel GPS chipset provides positional information by point positioning or by DGPS using SBAS corrections. The FC-25A incorporates a 3MP auto focus camera, electronic compass and an altimeter for GIS data collection applications.

Easy, Intuitive Operation

Windows Mobile® 6.5 operating system and a 3.5" sunlight readable touch screen display provide quick, easy, and intuitive operation.



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