Thank you for purchasing the TOPCON Data Collector FC-1000.
For superior product performance, please read this instruction manual carefully and keep it in a convenient place for future reference.

GENERAL HANDLING PRECAUTIONS

• Before starting work or operation, be sure to check that the instrument is functioning correctly with normal performance.
• Always make sure the instrument is dry before putting it in the soft case. Never store a damp instrument.
• Do not leave the instrument under strong sunlight for a long time. It may cause the instrument to malfunction.

DISPLAY FOR SAFE USE

In order to ensure the safe use of this product, prevent any danger to the operator or others, or damage to property, important warnings are placed on the product and inserted in the instruction manual. We recommend that you become familiar with the meaning of these Warnings and Cautions before continuing.

SAFETY CAUTIONS

- There is a risk of fire, electric shock or physical harm if you attempt to disassemble or repair the instrument yourself.
- Do not use a wet battery or charger.
- Do not use in a coal mine.
- Never use or store near flammable gas, liquid matter, and do not use in a coal mine.
- There is a risk of fire, electric shock or physical harm if you attempt to disassemble or repair the instrument yourself.
- Risk of fire or electric shock.
- Do not use any power voltage except the one given on manufacturers instructions.

Exceptions from Responsibility

1. The user of this product is expected to follow all operating instructions and make periodic checks of the product’s performance.
2. The manufacturer, or its representatives, assumes no responsibility for results of a faulty or intentional usage or misuse including any direct, indirect, consequential damage, and loss of profits.
3. The manufacturer, or its representatives, assumes no responsibility for any damage, and loss of profits due to a change of data, loss of data, an interruption of business etc., caused by using the product or an unacceptable product.
4. The manufacturer, or its representatives, assumes no responsibility for damage caused by low temperature burn.
5. Do not use or store in a coal mine.
6. The user of this product is expected to follow all operating instructions and make periodic checks of the product’s performance.

NOMENCLATURE AND FUNCTIONS

FC-1000

Function key
TAB key
Cursor keys
Enter key
Power key
Microphone
Hook for neckstrap

Display and Touch screen
Escape key
Hook for tripod
Hook for handstrap
Speaker
Battery cover
Hard reset switch
Inside the cover
Screw
To lighten or loosen the screw, use a coin.

Serial COM1
USB Connector (Type A)
AC adapter, external battery Connector
Serial COM2 (Total Station)
RUN Charge LED

Connectors
Serial COM1
Serial COM2 (Total Station)
USB Connector (Type A)

Shortcut Keys
Press
Display Contrast
[Func]+[4]
Front Light
[Func]+[1]
Ctrl Key
[Func]+[5]
Soft Reset
[Shift]+[F3]
Windows Start Menu
[Func]+[7]
Shortcut Commands
Press [Alt]
Tap on an item is the same as a right click on a mouse. A menu is displayed containing commands specific to the item.
Windows CE Task Manager
[Tab]+[Alt]
other active programs or to END Task on running pro-

About Stylus Pen Holder
Stick the stylus pen holder and hold a stylus pen as shown below. When sticking the holder, wipe the attachment surface of the instrument finely.

STANDARD PACKAGE COMPONENTS

Upon opening, make sure that all the followings are included.

1. FC-1000 Instrument............. 1set
2. BT-59Q Battery............. 2pcs.
3. Battery changer BC-29............. 1pc.
4. AC-DC converter AD-98(*)............. 1pc.
5. Instruction manual............. 1vol.
6. Handstrap............. 1pc.
7. Neckstrap............. 1pc.
8. Soft case............. 1pc.
9. Stylus pen............. 1pc.
10. Stylus pen holder............. 1pc.
11. Display protection sheet............. 3pcs.
12. Interface cable A-21............. 1pc.
13. End user license agreement............. 1pc.

(*) AD-98 is for AC 120V use, AD-7C is for AC 230V use.
2. Components are different by market.

Provided by Xpert Survey Equipment
Click Topcon FC-1000 for Product Info and Updated Pricing
TRANSMITTION DATA TO THE PC

Interface Cable
1. Turn on the PC and the FC-1000.
2. Connect the FC-1000 to your PC with the interface cable A-21 as shown below.

PC
Interface cable A-21
Serial COM1
FC-1000

The FC-1000 will prompt “Connecting to Host”.
3. The PC will prompt for setting up a partnership or setting up as a guest. When working as a guest, you can browse the files on your FC-1000 and copy or move information. Choose [ESC] to set up as a guest.
4. Once a connection has been established, the icon will appear on your PC.
5. Click on [Explore] to move or copy files between the PC and the FC-1000.

Reference software for Connectivity
See the WEB page as follows. www.microsoft.com/mobile/pocketpc/downloads/activesync35.asp

PREPARATION FOR USE

Battery
There are two ways to charge the battery as follows.

Battery Charging (Using BC-29)
1. Install the battery on the BC-29.
2. Plug the power cord in an outlet.(AC-120V or 230V) Charging is completed after approximately 3 hours.
The Charge LED of BC-29 will indicate charging status;
Red ON: Charging
Green ON: Charging completed.
Red Flashing: Charging error.
On Solid: Pre-charging Complete.
Battery Charging (Using AD-9B/7C)
1. After installing the battery, plug the connector of AD-9B/7C in the FC-1000.
2. Plug the AD-9B/7C in an outlet. Then the run charge LED will light.
Charging is completed after approximately 6 hours.
The display can be turned on or off by the power key.
The Run Charge LED of FC-1000 will indicate charging status;
Red ON: Charging
Green ON: Charging completed.
Red Flashing: Charging error.
Using a coin, install the battery cover. Tighten the screw firmly.

Note: The instrument may develop heat while charging, there is no problem of it.

Touch Screen
Adjusting Touch Screen
1. Turn on the instrument after hard-reset or tap [Start] [Setting] [Control Panel] [Stylus].
2. Use a stylus pen, touch the center of the cross hairs. (5 points)
4. (Use an accessory stylus pen to touch a screen. Do not use neither a ball-point pen nor pencil.

STORAGE PRECAUTIONS
Always clean the instrument after use.
Use a clean cloth moistened with neutral detergent or water.
Never use an abrasive cleaner, either, thinner benzene, or other solvents.
Always make sure the instrument is completely dry before storing. Dry any moisture with a soft, clean cloth.

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