FLUKE networks.

FI-7000 FiberInspector™ Pro

Video Probe

Getting Started Guide

The FI-7000 FiberInspector™ video probe lets you see dirt, scratches, and other defects that can cause unsatisfactory performance or failures in fiber optic networks.

Accessing the Product Manuals

This guide provides basic information to help you get started using the tester. For more detailed information, see the latest versions of the *Versiv Users Manual* and the *Versiv Technical Reference Handbook* provided on the Product Manuals DVD and on the Fluke Networks website.

Safety Information

⚠	Warning or Caution: Risk of damage or destruction to equipment or software. See explanations in the manuals.
⚠	Warning: Risk of fire, electric shock, or personal injury.
ⓞ	This key turns the Product on and off.

⚠Warning⚠

To prevent possible fire, electric shock, or personal injury:

- **Read all safety information before you use the Product.**

- **Carefully read all instructions.**

- **Do not open the case. You cannot repair or replace parts in the case.**

- **Do not modify the Product.**

- **Use only replacement parts that are approved by Fluke Networks.**

- **Do not touch voltages > 30 V AC rms, 42 V AC peak, or 60 V AC.**

- **Do not use the Product around explosive gas, vapor, or in damp or wet environments.**

All product names are trademarks of their respective companies.

- **Use this Product indoors only.**

- **Use the Product only as specified, or the protection supplied by the Product can be compromised.**

- **Do not use and disable the Product if it is damaged.**

- **Do not use the Product if it operates incorrectly.**

- **Batteries contain hazardous chemicals that can cause burns or explode. If exposure to chemicals occurs, clean with water and get medical aid.**

- **Remove the batteries if the Product is not used for an extended period of time, or if stored in temperatures above 50 °C. If the batteries are not removed, battery leakage can damage the Product.**

- **The battery door must be closed and locked before you operate the Product.**

- **Repair the Product before use if the battery leaks.**

- **Recharge the batteries when the low battery indicator shows to prevent incorrect measurements.**

- **Do not disassemble or crush battery cells and battery packs.**

- **Do not put battery cells and battery packs near heat or fire. Do not put in sunlight.**

- **Have an approved technician repair the Product.**

- **For Products with rechargeable batteries, use only AC adapters approved by Fluke Networks for use with the Product to supply power to the Product and charge the battery.**

⚠Caution

To prevent damage to the Product or cables under test and to prevent data loss, read all safety information given in all documentation supplied with the Product.

Connectors, Keys, and LEDs

See Figure 1.

① LCD display with touchscreen.

② Blank module included with the FI-7000 kit. Keep the module installed to give protection to the module connectors.

③ Micro-AB USB port: This USB port lets you connect the tester to a PC so you can upload test results to the PC and install software updates in the tester.

④ Type A USB port: This USB host port lets you connect the FI-7000 probe to the tester or save test results on a USB flash drive.

2
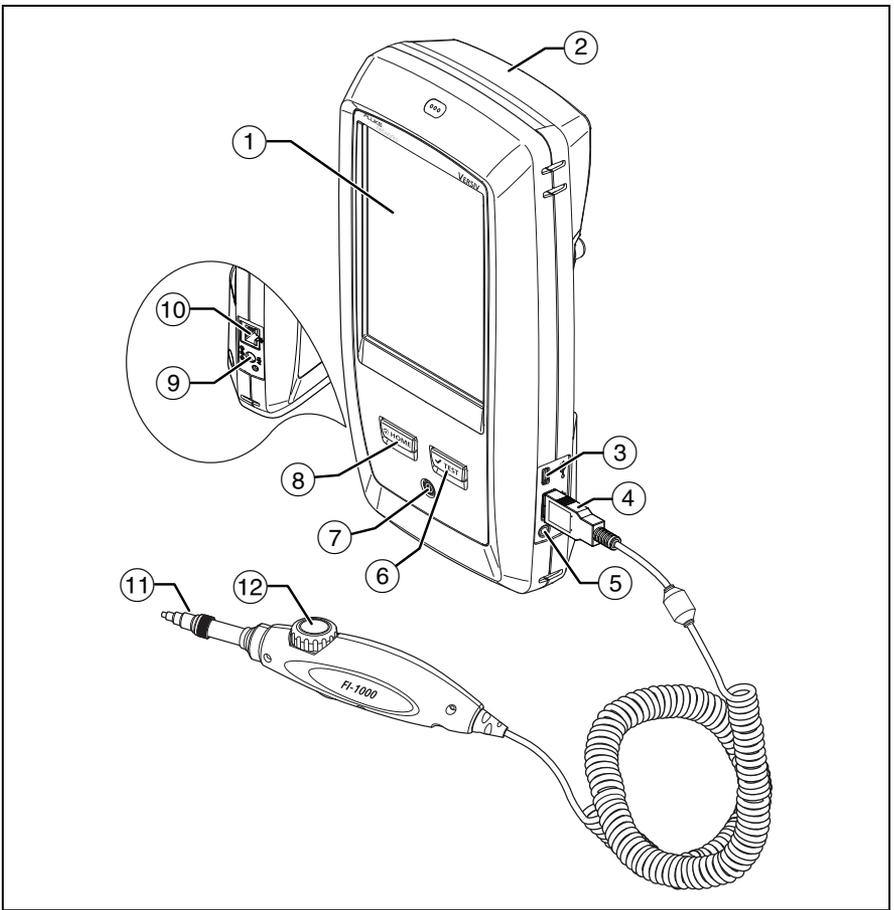
GPU173.EPS

Figure 1. Connectors, Keys, and LEDs

⑤ Headset jack.

⑥ ✔TEST: Starts a test. To start a test, you can also tap **TEST** on the display.

⑦ Power key.

⑧ ⌂HOME: Press ⌂HOME to go to the home screen.

⑨ Connector for the ac adapter.

⑩ RJ45 connector: for functions available in future software releases.

⑪ Removable tip for different types of connectors.

⑫ Dial for focus adjustment.

How to Do a FiberInspector Test

1. Power the Tester

Charge the battery if necessary. Connect the ac adapter to ac power and to the adapter connector (⑨) shown in Figure 1. You can use the tester while the battery charges.

2. Connect the FI-1000 Probe

With the tester off, connect the probe to the type A USB port on the side of the tester. Then turn on the tester. Figure 2 shows the home screen for a FiberInspector test.

3. Install the Correct Tip on the Probe

See Figures 3 and 4.

① To set up a project, tap the **PROJECT** panel.

② To change settings for the test, tap the test setup panel.

③ To set up cable IDs, turn on **Auto Save**, and change the settings for the fiber **End**, tap the **Next ID** panel.

④ To enter the operator name, tap the **Operator** panel.
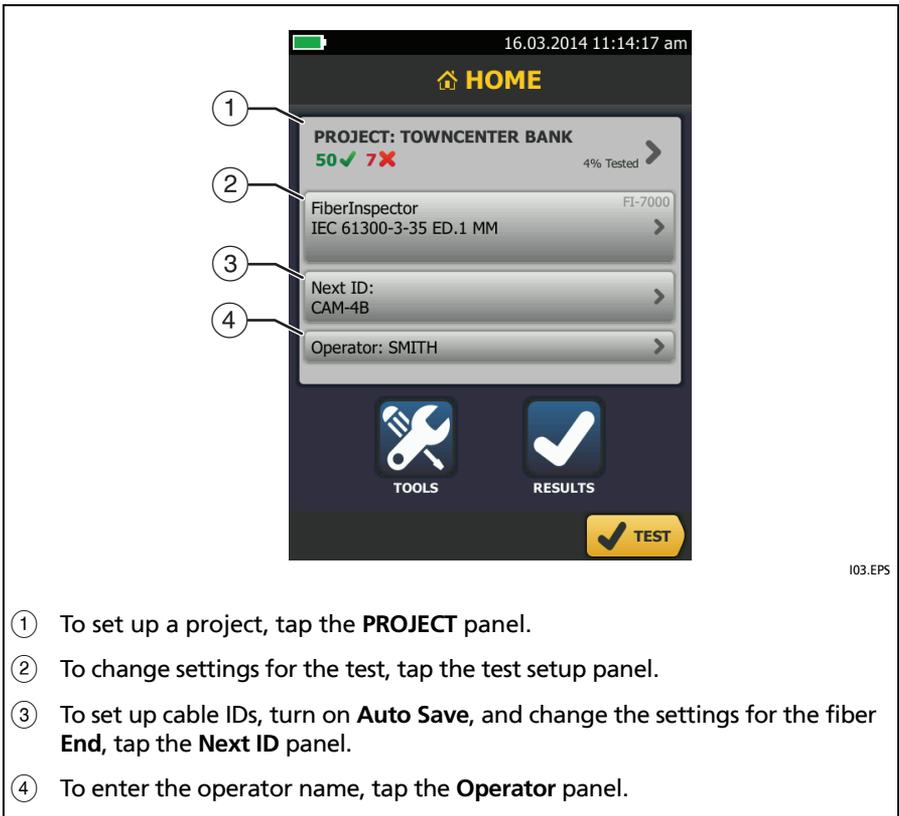
Figure 2. Panels on the Home Screen
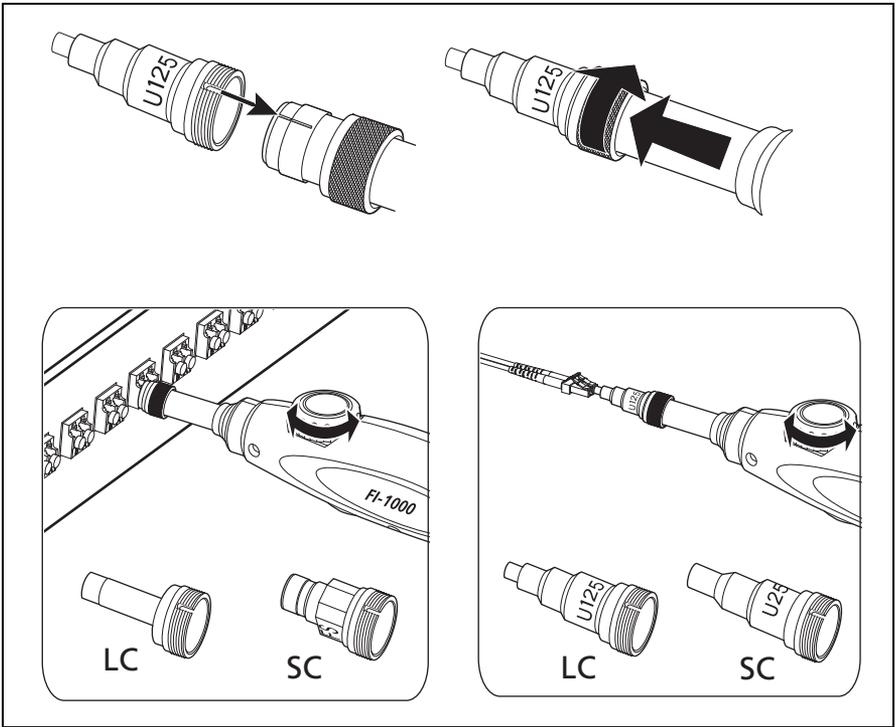
GPU168.EPS

Figure 3. How to Use the FI-1000 Probe

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Turn the dial to move the
view of the endface.
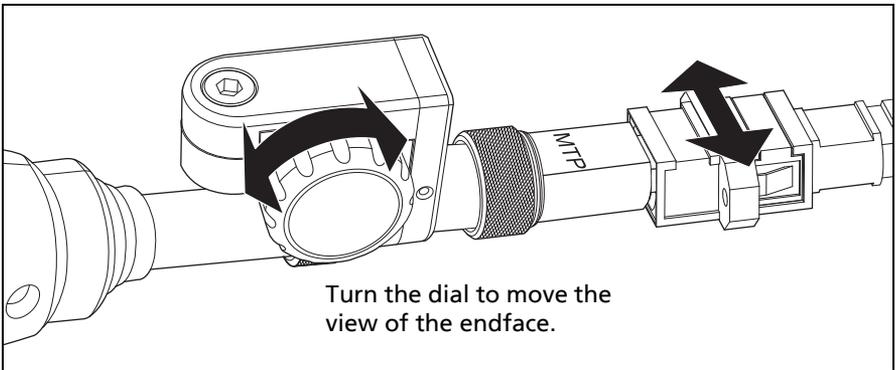
Figure 4. How to Use the Optional MPO/MTP® Inspection Tip

4. Clean the Connector

Use proper cleaning procedures to clean the connector you will inspect.

5. Do the FiberInspector Test

Tap **Test** or press ✔TEST.

To adjust the focus, turn the dial on the probe.

6. Examine the Results

See Figure 5:

① **Manual** limit selected (default): To give a **PASS** or **FAIL** grade to the image, tap **GRADE**.

② Test limit selected: To see an analysis of the defects, tap **ANALYZE**. The tester uses the selected test limit to give scratches and defects a **PASS** (green highlight) or **FAIL** (red highlight) grade.

⚠ Caution

If a defect is possibly a dirt particle, clean the endface and do the inspection again. You must remove all loose particles because they can move into the core when you make connections.
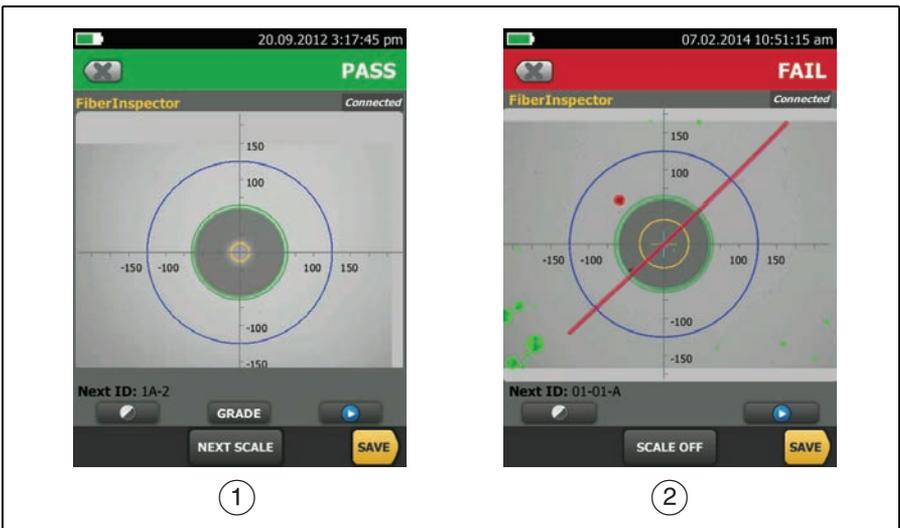
I02.EPS

Figure 5. Examples of FiberInspector Results Screens

7. Save the Results

7-1 Tap **SAVE**.

7-2 If the **Cable ID** box shows the correct ID, tap **SAVE**.

To enter a cable ID, tap the **Cable ID** box on the **SAVE RESULT** screen, use the keyboard to enter a name for the results, tap **DONE**, then tap **SAVE**.

The tester saves the results in the **DEFAULT** project, unless you selected a different project.

About Projects

You can set up a project to specify the settings and tests necessary for a job, monitor the status of a job, and organize the test results.

To start a new project, tap **PROJECT** on the home screen, tap **CHANGE PROJECT**, then tap **NEW PROJECT**. See the Users Manual or Technical Reference Handbook on the DVD for more information.

Registration

Registering your product with Fluke Networks gives you access to valuable information on product updates, troubleshooting tips, and other support services.

To register, use LinkWare software.

Contact Fluke Networks

www.flukenetworks.com

support@flukenetworks.com

1-800-283-5853, +1-425-446-5500

Fluke Networks operates in more than 50 countries worldwide. For more contact information, go to our website.

General Specifications

Battery Type	Lithium-ion
Temperature	Operating: -18 °C to +45 °C Storage: -30 °C to +60 °C
Altitude	Operating: 4,000 m (3,200 m with AC adapter) Storage: 12,000 m

Certifications and Compliance

Conformite Europeene. Conforms to the requirements of the European Union and the European Free Trade Association (EFTA).

Listed by the Canadian Standards Association.

Conforms to relevant Australian standards.

Conforms to relevant Russian standards.

KC KCC-REM-FKN-012001001: EMC approval for Korea

Class A Equipment (Industrial Broadcasting & Communication Equipment)

This product meets requirements for industrial (Class A) electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and is not to be used in homes.

A급 기기 (업무용 방송통신기자재)

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