

# FT600

## FiberInspector™ Pro

### Video Microscope

#### Instruction Sheet

The FT600 FiberInspector™ Pro video microscope is a hand-held, dual-magnification probe and display used to inspect the ends of fiber optic connectors through bulkhead adapters. The video microscope lets you view fiber end faces that cannot be accessed by traditional fiber microscopes.

The video microscope comes with the following:

- FT650 Fiber Probe
- FT630 Fiber Display
- AC adapter/battery charger
- Probe adapter tips (ST, SC, FC, and universal 2.5 mm patch cord tip)
- Instruction sheet
- Hard carrying case

If anything is missing or damaged, contact the place of purchase immediately.

## Safety Information



**To avoid possible eye damage caused by hazardous radiation, never look directly into optical output connectors. Some sources produce invisible radiation that can permanently damage your eyes.**

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

- Do not open the case; no user-serviceable parts are inside.
- Use only the ac adapter provided to power the display and charge the battery.

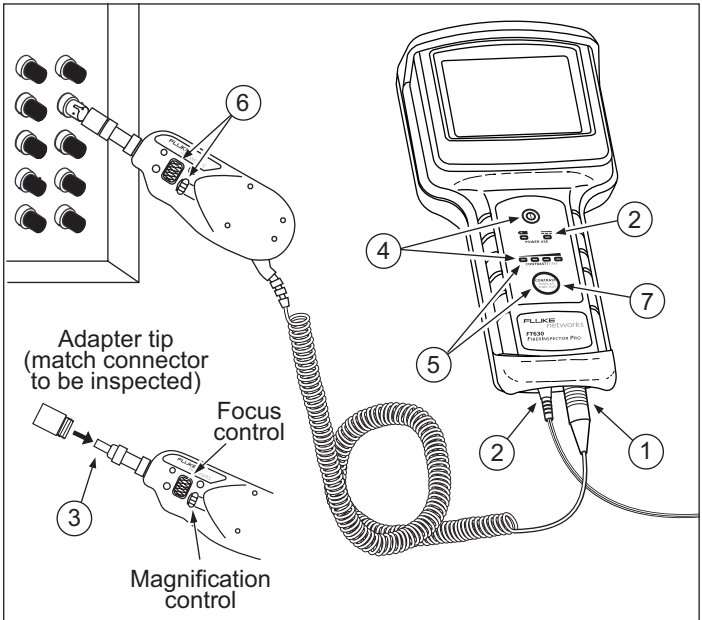
## Powering the Microscope

Before you power the video microscope with the battery for the first time, charge the battery with the ac adapter for about 4 hours. You can use the video microscope while the battery charges. A fully-charged battery lasts about 3 hours.


## Features and Use

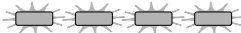
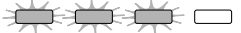


### Caution


Some adapter tips have small screws that slide into a slot on the probe end. Do not adjust this screw.




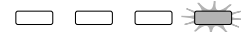


- 1 Connect the FT650 Fiber Probe to the display.
- 2 To ensure continuous operation, connect the ac adapter whenever possible. The ac power LED (≡) lights when the ac adapter is connected. The LEDs turn on from left to right as the battery approaches full charge. The battery LED (+) lights when the display is using battery power.
- 3 Screw an adapter tip onto the fiber probe to match the connection you are inspecting.


- 4  Press the power key to turn on the display. The LEDs indicate battery charge level for 5 seconds:

LEDs	Battery Charge Level
	75% - 100 %
	50 % - 75 %
	25 % - 50 %
	1 % - 25 %

- 5  The power-down timer sets the time the display stays on. To select a time, hold down the contrast/timer key, then release it when the desired LEDs light:

LEDs	Power-down Timer
	15 seconds
	30 seconds
	60 seconds
	Timer disabled

- 6 Turn the larger ring on the probe to focus the image. Turn the smaller ring to change magnification.

- 7  Press the contrast/timer key briefly to change the display contrast.

## Registration

Registering your product with Fluke Networks gives you access to valuable information on product updates, troubleshooting tips, and other support services. To register, fill out the online registration form on the Fluke Networks website at [www.flukenetworks.com/registration](http://www.flukenetworks.com/registration).

## Contacting Fluke Networks



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



[support@flukenetworks.com](mailto:support@flukenetworks.com)



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- Canada: 1-800-363-5853
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- Hong Kong: 852 2721-3228
- Japan: 03-3434-0510
- Korea: 82 2 539-6311
- Singapore: +65-6799-5566
- Taiwan: (886) 2-227-83199
- USA: 1-800-283-5853

Visit our website for a complete list of phone numbers.

## Maintenance

Clean the display with glass cleaner and a soft, lint-free cloth. Clean the case with a soft cloth dampened with water or a mild detergent. Do not use solvents or abrasive cleansers.

## Replacing the Battery

Replace the lithium ion battery when its life becomes noticeably shorter. To replace the battery, open the battery door on the back of the display. Slide the battery up to remove it from the battery contacts. Slide a new battery onto the contacts, then replace the battery door.

## Getting Service

Contact Fluke Networks for information on authorized Fluke Networks service centers.

## Accessories


The following accessories are available from Fluke Networks for the FT600 FiberInspector Pro microscope.

Visit the Fluke Networks website at [www.flukenetworks.com](http://www.flukenetworks.com) for a complete list of fiber test equipment and accessories.

Description	Fluke Model
TPak™ meter hanging kit (Lets you hang the display from a strap or a magnet.)	TPAK
Fiber Optic Cleaning Kit	NFC-Kit-Case
MT-RJ adapter tip	NF360
LC adapter tip	NF362
MU adapter tip	NF364
AC adapter (100 V – 240 V)	Contact Fluke Networks
Lilon battery pack	Sony® type NP-550

## Specifications

### FT600 General Specifications

Temperature range	Operating: 0 °C to 40 °C Storage: -10 °C to +60 °C
Humidity range	Operating: 0 % to 45 % RH non-condensing; Storage: 0 % to 95 % RH non-condensing
Certifications	

### FT630 Fiber Display

Display type	3.5 in (9 cm) TFT, active matrix, 320 x 240 pixels
Video input	NTSC
Power source	Lithium ion battery or ac power
Battery life	2 hours continuous use
Dimensions	4 in x 2.1 in x 8.7 in (10 cm x 5.3 cm x 22 cm)
Weight	0.8 lb (0.4 kg)

## FT650 Fiber Probe

<b>Magnification</b>	250X and 400X
<b>Camera type</b>	0.33 in (8.38 mm) CCD with adjustable focus
<b>Light source</b>	LED
<b>Power source</b>	From FT630
<b>Lighting technique</b>	Coaxial
<b>Dimensions</b>	1.8 in x 1.7 in x 5.5 in (45.7 mm x 43.2 mm x 140 mm) (length depends on adapter tip)
<b>Weight</b>	0.4 lb (180 g)

### LIMITED WARRANTY AND LIMITATION OF LIABILITY

Fluke Networks mainframe products will be free from defects in material and workmanship for one year from the date of purchase. Parts, accessories, product repairs and services are warranted for 90 days, unless otherwise stated. Ni-Cad, Ni-MH and Li-Ion batteries, cables or other peripherals are all considered parts or accessories. This warranty does not cover damage from accident, neglect, misuse, alteration, contamination, or abnormal conditions of operation or handling. Resellers are not authorized to extend any other warranty on Fluke Networks' behalf. To obtain service during the warranty period, contact your nearest Fluke Networks authorized service center to obtain return authorization information, then send your defective product to that Service Center with a description of the problem.

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