



Fiber Inspection Series

What is it?

The Fiber Inspection Series includes microscopes used to inspect fiber optic end-faces on patch cords, inside equipment and behind bulkheads. The series includes the standalone FT120/FT140 FiberViewer™, FT500 FiberInspector™ Mini and FT600 FiberInspector™ Pro as well as the OFTM-5352 FiberInspector Pro for the OptiFiber™ and the OPV-FT600 FiberInspector Pro for the OptiView™. Images are viewed directly on FiberViewer microscopes and on a screen with FiberInspector units. The OptiFiber and OptiView allow images to be saved and uploaded to Fluke Networks' LinkWare™ software package.

Target user:

EVERYONE using fiber optics needs to be inspecting end-faces before every mating. Contamination is everywhere: floating in the air, on skin, inside equipment and inside protective caps. Customers should be informed that brand new, factory-terminated patch cords and pigtails are not clean even when they come out of a sealed bag with protective caps. The protective caps themselves can contaminate the end-faces. Potential customers include both private network owners and installers.

Model comparison:

The FT120 and FT140 FiberViewer models are the most economical way to inspect a fiber end-face, but they have their limitations. The FiberViewer units can only view end-faces on connectors; they cannot see inside ports. The FT120 and FT140 provide 200x and 400x magnification, respectively. To view end-faces inside ports, a video microscope such as the

FiberInspector Mini or FiberInspector Pro is required. All of Fluke Networks' microscopes are sufficient for viewing both multimode and singlemode end-faces, but 400x magnification on the FiberInspector Pro and FT140 FiberViewer is more desirable for customers working in sensitive environments and with higher data rate links. While the Mini is the more economical video microscope, the Pro has a protective boot, a greater range of probe tips, a larger screen and a dual magnification probe.

Value to customer:

The #1 cause of fiber link failure is dirty end-faces. 85% of fiber network failures are due to contamination.

- Avoid unexpected and costly downtime by easily inspecting end-faces, and cleaning them as necessary (all Fiber Inspection Series products).
- Save time when troubleshooting on a patch panel as a video microscope can be 10x faster than a direct view scope (FiberInspector video microscopes).
- Protect your eyesight with video microscopes as there is no chance of laser light exposure (FiberInspector video microscopes).
- Capture images to prove the quality of the installation or as future reference if problems arise (OptiFiber or OptiView).
- Dual 250x/400x magnification on the FiberInspector Pro allows for both a wide field of view and extremely close inspection of the fiber core (FiberInspector Pro).

Selling the tool:

Step 1. Share that dirty end-faces are the leading cause of fiber failure, responsible for 85% of problems with fiber links.

Step 2. Let the customer use a demo unit to inspect some of their own end-faces. Once the customer sees dirt on their own

infrastructure, they will immediately understand the need for inspection.

Alternatively

Step 1. Using Fluke Networks tools, inspect and clean all end-faces when setting up a sales demonstration.

Step 2. Customers will inevitably ask for advice when seeing the cleaning and inspection tools in use. Share the importance of inspecting and cleaning before every mating.

Questions for customers:

1. Do you work with fiber?

Allow the customer to try the tool. Seeing is believing. Share that contamination is the #1 cause of fiber failure.

2. Have you ever had a fiber failure due to contamination?

Ask them to consider the time and expense that could have been avoided by inspecting and cleaning.

3. Are you using a direct view microscope to inspect?

Video microscopes can be 10x faster and are the only way to ensure zero exposure to harmful laser light.



Fiber Inspection Series



Fiber Inspector Series

Name	FiberViewer		FiberInspector Mini	FiberInspector Pro					
Model	FT120	FT140	FT500	FT600		OFTM-5352		OPV-FT600	
Magnification	200x	400x	200x	250x	400x	250x	400x	250x	400x
Field of View	950µm	475µm	700µm	670µm	420µm	670µm	420µm	670µm	420µm
Detection Capability	.75µm	.5µm	2µm	2µm	1µm	2µm	1µm	2µm	1µm
Display	N/A		1.8", 4.6 cm LCD	3.5", 8.9 cm LCD					
View Patch Cords	•		•	•		•		•	
View Inside Ports	No		•	•		•		•	
Image Capture						•		•	
Universal 2.5 mm ferrules	•		•	•		•		•	
Universal 1.25 mm ferrules	NF350		NFM110 Tip Set	NF368		NF368		NF368	
SC Ports			•	•		•		•	
ST Ports			•	•		•		•	
FC Ports			NFM110 Tip Set	•		•		•	
LC Ports			NFM110 Tip Set	NF362		NF362		NF362	
MU Ports				NF364		NF364		NF364	
MTP Ports				NF370		NF370		NF370	
MT-RJ Ports				NF360		NF360		NF360	

FT120



FT140



FT500



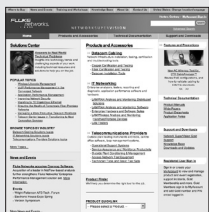
FT600



OFTM-5352
OPV-FT600



Fiber Series Sales Tools



For more information on fiber inspection and cleaning, visit www.flukenetworks.com/fibercare



Fiber Cleaning Kits SQRG
Lit#2844253 (English)



Fiber Inspection and Cleaning Series Data Sheet
Lit# 1592489 (English)

NETWORK SUPERVISION

Fluke Networks
P.O. Box 777, Everett, WA USA 98206-0777

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