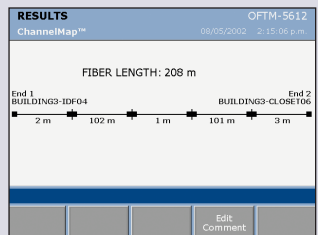


See a complete picture of your fiber network.

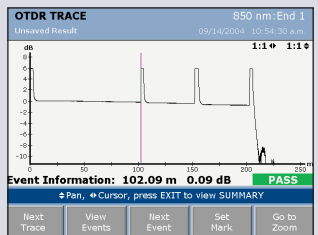
You need a complete picture to ensure the performance of mission-critical fiber optic links. OptiFiber gives you more ways to look at fiber optic cabling.

ChannelMap™



Troubleshooting starts here. See a diagram of the channel, including patch cords. Check that the links are patched all the way across the campus, and determine the number and location of all connectors in a channel.

OTDR



View the trace of the fiber link. Compare one fiber to another by using Trace Overlay. Zoom in for a closer look at events. Move quickly to areas of interest. Identify suspect optical events such as high-loss connections.

Event Table

EVENT TABLE				
Auto OTDR				
LOCATION (m)	LOSS (dB)	OTDR PORT	STATUS	
100.15	0.59	0.52	GHOST SOURCE	PASS
150.22	0.20	0.97	REFLECTION	FAIL
164.11	1.17		LOSS	FAIL
174.28	0.19	0.65	REFLECTION	PASS
204.09	0.00	0.05	GHOST	
206.30	N/A	N/A	END	

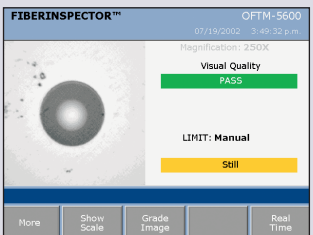
OptiFiber's event table analysis automatically characterizes and compares loss and reflectance against user defined limits. Results are displayed in an easy-to-read table which makes it simple for you to present to your customers.

Loss/Length Certification

SUMMARY		OPTM-5612
Loss/Length		9/13/2006 2:15:07 p.m.
FIBER LENGTH:	51.6 m	PASS
HEADROOM:	1.22 dB	PASS
PASS		
TEST LIMIT: General Fiber		
FIBER TYPE: Generic 50		
REMOTE END SETUP: Smart Remote		
END1: DATA CENTER		
END2: CLOSET		
View Results		Set Comment

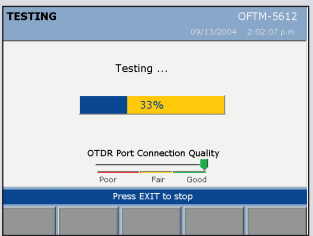
PASS/FAIL Optical loss analysis makes it easy to certify that the fiber meets applicable industry standard requirements – and presents the data in a clear, easy-to-interpret format.

FiberInspector™ Pro



The fiber inspection video probe provides a high-resolution 250X/400X end-face image of a fiber connector. Grade the image. Save the image – and show it to your customer.

OTDR Port Quality Check



OptiFiber incorporates an automated port quality check that warns the user when the OTDR port is dirty or contaminated.

Here's what cabling professionals are saying about OptiFiber® Certifying OTDR:

“More and more high-speed fiber installations are requiring extensive testing loss and length for certification before turning over the cable plant. We are finding that we need to measure insertion loss and deliver an OTDR trace to provide a complete picture of the network. OptiFiber combines both these capabilities in one instrument. Allowing me to give my customers a comprehensive view of their network with all the test results captured in one professional report.”

Fiber Optics Manager

“This is by far the most user-friendly OTDR. The camera option was a real plus as you could visually see the end-face of the connector without unplugging the cable out of the cabinet.”

Quality Assurance Inspector

“Since we are one of the largest network companies that installs fiber, testing is key. I appreciate the size of the new OptiFiber because it would probably replace two or three other pieces of equipment. The large capacity memory card is a real plus since it replaces the limited memory of a floppy disk, which I was previously using. And, in our business, it's all about the test results.”

Project Manager

“This product was phenomenal and beat out other OTDRs because of the ease-of-use and the short one-meter dead zone. The fact that it is also lightweight makes it that much more attractive for field testing.”

Communications Tech

“The OptiFiber will be of great value in large to medium premises environments – such as campus and metro applications – because the fiber is shorter than in long haul applications. Since most customers require more information than a power measurement, the OptiFiber would replace that unit in the campus environment. The most beneficial feature to me is the extensive and easy-to-interpret visual graphics.”

Senior Estimator



For a first-hand look at the OptiFiber Certifying OTDR in action, visit our website at www.flukenetworks.com/optifiber and view the virtual demo. Or call us at 1-800-508-0490 (U.S.) and let a Fluke Networks representative show you how to take the work out of fiber certification and OTDR testing.



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OptiFiber®
Certifying OTDR

Certify it.
Diagnose it.
Document it.

With the complete
fiber test solution
designed for network
owners and installers.

As bandwidth increases in premises networks, the use of fiber optics grows – and so do the requirements for testing and certifying it. To ensure the performance of mission-critical fiber optic links, network owners are demanding information that gives them a more complete picture of their fiber plant. And no solution provides a more complete picture than the OptiFiber® Certifying OTDR. This power packed fiber optic testing solution gives you everything you need – in one fast, field tough tool. Now network owners and installers of all experience levels can quickly and easily troubleshoot connection-rich fiber optic cabling and certify and document fiber to the latest standards.

Bringing Network SuperVision™ to Premise Fiber Networks

For more information on models, options, accessories and product specifications, go to www.flukenetworks.com/optifiber

Take your fiber testing and your business to a new level

The OptiFiber® Certifying OTDR gives you the visibility into fiber networks to quickly isolate faults, restore network performance and meet the emerging requirements for fiber testing and certification.

- **All the information you need to see** the quality of your fiber optic cabling. OptiFiber brings together all the critical information you and your customers need – on screen, on your PC and on printed reports.
- **Take the complexity out of OTDR testing** with automated trace and event analysis, trace overlay and simple link diagramming that anyone can understand.
- **Boost productivity** with automated optical loss testing and an interface that’s fast and easy-to-use.
- **Troubleshoot connections** with a 250X/400X video microscope probe for fiber connector end-face analysis.
- **Measure optical power** directly to verify source and link performance.
- **Streamline data management and create impressive reports** that bring together all key test data – quickly, easily and completely.
- **Work comfortably in tight spaces** for long periods of time with one of the lightest and most user-friendly OTDRs available.
- **Make a great investment** by purchasing the capabilities you need today and adding new modules as your testing needs and technology evolves.

Certify to new customer specs and industry standards
Troubleshooting and certifying mission-critical fiber networks makes special demands on cabling professionals – and their tools. Only the OptiFiber Certifying OTDR from Fluke Networks is engineered specifically to meet these demands. It integrates Loss/Length Certification, ChannelMap™, OTDR analysis and video endface inspection in a single, easy-to-use tool.

Increase productivity from day one
OptiFiber makes it as easy to test fiber as copper – with a handheld tool and an intuitive interface similar to our user-friendly copper-based certification solutions. Now troubleshooting fiber and testing to the latest industry standards and customer specs is as quick and easy as pushing a button.

Get a complete picture of connection-rich fiber networks
The OptiFiber Certifying OTDR is the optimal solution for fiber networks with short fiber links. Advanced optoelectronics accurately pinpoint multiple events less than one meter apart. No overlooked faults; no wasted time and money trying to zero in on faults that elude the long event deadzones of other OTDRs.

Count on a tool that’s field-tough and user-friendly
OptiFiber’s compact size and lightweight are the ideal fit for your typical work environment: tight spaces and crowded distribution closets. It’s easy to use; easy to navigate. And its modular design accepts optional test modules that can be swapped without tools in a matter of seconds. So it’s easy to reconfigure your test set anytime. Anywhere. And, like other Fluke Networks’ testers, OptiFiber is built to withstand the harshest conditions of everyday field use.

OptiFiber – the complete premises fiber optic test solution
Working closely with premises cable installers, cable and connector companies, network owners and technicians, and standards organizations, we designed a new product to meet their needs. It’s a natural extension of our leading-edge solutions for fiber and copper cable installers and technicians. And it’s one more way Fluke Networks SuperVision™ helps you look into the future and leverage your business opportunities.



Window of opportunity: Enhanced fiber optic network visibility

Lightweight
Only 4.5 lbs. (1.9 kg) including battery and test module

Setup
Fast, easy configuration for new jobs and test requirements. Select from predefined lists or create custom limits.

Functions
Quickly view and select among various functions

MMC card
Bring test results back to the office for instant data hand-off while the tester stays on the job

FiberInspector®
View magnified fiber endface images

Help
A complete guide at the touch of a button

Test
Complete fiber testing with the push of a button

Integrated stand
Sturdy stand makes tabletop operation easy

Save
Keep all test results for a single fiber in one integrated record

View records
Retrieve test results easily – even when in the field; sort by ID, job or data

Keyboard port
Speed up data entry with the optional keyboard capability

USB port
For lightning fast data exchange with a PC

RS232 port
Connect to a PC for data exchange

Portable
Small footprint for easy use in the field. 11.4” (29.0 cm) high x 7.5” (19.1 cm) wide x 2.5” (6.4 cm) deep

Battery
Test a full eight hours between charges with the Li Ion battery

OptiFiber Smart Remote option
for Loss/Length Certification

Share the most professional, accurate view of fiber optic infrastructure with LinkWare™ Cable Test Management Software.

LinkWare™ Cable Test Management Software makes it easy to manage and print the rich test data, captured as only OptiFiber can, to ensure the quality of network installation and performance. Instantly access and organize your results and create professional reports that meet new certification demands, impress your customers and give you a competitive edge. Merge results for the entire network with the DTX Series or DSP-4000 Series of cableanalyzers.

Customize reports with your company name and logo to present a more professional image

Quickly show Pass/Fail status of fiber traces and present trace details

Report length of fiber links and location of connections in a format that you and your customers can easily understand

LINKWARE
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: F1
Date / Time: 07/12/2006 03:29:55pm
Cable Type: Generic, SMF

Operator: J. MILDEN
End1: DATA CENTER
End2: BLDG

Model: OptiFiber

Test Summary: PASS

Loss/Length End2-1 PASS
Date / Time: 07/12/2006 03:22:19pm
Test Limit: General Fiber
Cable Type: Generic, SMF
Number of Adapters: 3
Number of Splices: 0
Tester: OptiFiber (8172004 V2.0)
Module: OFTM-5732 (9181001 V2.0)
Operator: J. MILDEN

	1310 nm	1550 nm	n=1.4600	Prep
Length	362.5 m	362.5 m	362.5 m	1775 m
Loss	0.51 dB	0.14 dB	0.51 dB	0.14 dB
Margin	5.51 dB	5.14 dB	5.51 dB	5.14 dB
Reference	-1.89 dBm	-1.77 dBm	-1.89 dBm	-1.77 dBm

Method B
Reference Date: 07/12/2006 02:01:40pm

Loss/Length End1-2 PASS
Date / Time: 07/12/2006 03:22:08pm
Test Limit: General Fiber
Cable Type: Generic, SMF
Number of Adapters: 3
Number of Splices: 0
Tester: OptiFiber (8172004 V2.0)
Module: OFTM-5732 (9181001 V2.0)
Operator: J. MILDEN

	1310 nm	1550 nm	n=1.4600	Prep
Length	362.5 m	362.5 m	362.5 m	1775 m
Loss	0.51 dB	0.14 dB	0.51 dB	0.14 dB
Margin	5.51 dB	5.14 dB	5.51 dB	5.14 dB
Reference	-1.89 dBm	-1.77 dBm	-1.89 dBm	-1.77 dBm

Method B
Reference Date: 07/12/2006 02:01:40pm

LINKWARE
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: F1
Date / Time: 07/12/2006 03:29:55pm
Cable Type: Generic, SMF

Operator: J. MILDEN
End1: DATA CENTER
End2: BLDG 2

Model: OptiFiber

Test Summary: PASS

OTDR End1 PASS
Date / Time: 07/12/2006 03:04:52pm
Test Limit: General Fiber
Tester: OptiFiber (8172004 V2.0)
Module: OFTM-5732 (9181001 V2.0)
Operator: J. MILDEN
Overall Length: 362.48 m
Overall Loss: 1.21 dB
ORL: 45.25 dB

Length	Loss	Status	Length	Loss	Status
1310 nm (n=1.4600)	0.51 dB	PASS	1550 nm (n=1.4670)	0.14 dB	PASS
362.48 m	0.51 dB	PASS	362.48 m	0.14 dB	PASS
362.48 m	0.51 dB	PASS	362.48 m	0.14 dB	PASS

Endface Image1 PASS
Date / Time: 07/12/2006 03:29:32pm
Test Limit: Manual
Operator: J. MILDEN

OTDR End2 PASS
Date / Time: 07/12/2006 03:09:25pm
Test Limit: General Fiber
Tester: OptiFiber (8172004 V2.0)
Module: OFTM-5732 (9181001 V2.0)
Operator: J. MILDEN
Overall Length: 362.73 m
Overall Loss: 0.78 dB
ORL: 45.59 dB

Length	Loss	Status	Length	Loss	Status
1310 nm (n=1.4600)	0.51 dB	PASS	1550 nm (n=1.4670)	0.14 dB	PASS
362.73 m	0.51 dB	PASS	362.73 m	0.14 dB	PASS
362.73 m	0.51 dB	PASS	362.73 m	0.14 dB	PASS

Endface Image2 PASS
Date / Time: 07/12/2006 03:25:15pm
Test Limit: Manual
Operator: J. MILDEN

ChannelMap
Date / Time: 07/12/2006 03:12:01pm
Tester: OptiFiber (8172004 V2.0)
Module: OFTM-5732 (9181001 V2.0)
Operator: J. MILDEN

End2: BLDG 2
End1: DATA CENTER

Fiber Length: 363 m

161 m 202 m

Page 1 of 2

FLUKE
networks

Document Loss/Length Certification test parameters and detailed results at multiple wavelengths and both directions

Provide images of traces at two wavelengths and both directions in one report

Print out graded images and document the condition of fiber connector end-faces