

OptiFiber™

Certifying OTDR – New Singlemode Testing Capability

The use of singlemode fiber in premise networks is continually growing – and so are the requirements for testing and certifying it. More and more, LAN cable installers will win or lose business based on their ability to provide a whole new level of required certification, documentation and diagnostics. No solution hands you a more complete, competitive edge for premise singlemode testing than OptiFiber Certifying OTDR.

With OptiFiber singlemode options you can:

- Certify singlemode fiber with integrated Auto OTDR analysis, automated loss and length measurements and fiber endface inspection.
- Diagnose singlemode fiber with integrated ChannelMap™, Auto OTDR and fiber endface inspection.
- Document singlemode fiber with LinkWare PC data management and reporting software.
- Enhance visibility into premise and campus singlemode networks with 2-meter event deadzones.
- Boost productivity with an easy-to-use interface and small, lightweight design.

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, 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 an intuitive interface and a handheld footprint that mimics 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. It's enough to make a cable installer smile.



OptiFiber Main Unit with Singlemode Module



400X FiberInspector Video Probe Option



Singlemode Modules for OptiFiber



New Modules and Accessories for Singlemode Fiber Testing

Model	Description	Use
OFTM-5630	OptiFiber Singlemode OTDR Module	Pinpoint the location of problems within a singlemode fiber link (up to 10 km), even if spaced as closely as 2 m apart.
OFTM-5631	OptiFiber Singlemode OTDR + PM Module	Measure the insertion loss of a singlemode fiber link using a separate far-end 1310/1550 nm source.
OFTM-5632	OptiFiber Singlemode OTDR + PM + Loss/Length Module	Certify a singlemode link using the proven standards-based two-fiber, dual-wavelength DSP-FTA methodology.
NFK3-LAUNCH	SC-SC singlemode Launch cable, 100 m	This launch cable uses a UPC polish and test and measurement grade connectors, making it ideal for OptiFiber.
OFTM-5354	FiberInspector™ Video Probe, 400X	High resolution 400X inspection of fiber endfaces on patch panels and cable assemblies. Includes Probe Adapter Tips (ST, SC, FC and universal 2.5 mm patch cord tip).

OptiFiber Singlemode Specifications

Singlemode OTDR Specifications OFTM-5630, OFTM-5631, OFTM-5632	
Output/Input Connector	SC/UPC (laser-hardened)
Wavelengths	1310 +/- 20 nm and 1550 nm +/- 20 nm
Fiber under test	Singlemode
Event Deadzone ¹	1.5 m Typical, 2 m Max
Attenuation Deadzone ¹	10.5 m Typical, 15 m Max
Max Distance Range	10 km
Distance Accuracy ²	+/- 2 m
Dynamic Range ³	1310 nm: >12 dB 1550 nm: >10 dB

¹ Deadzones are measured to Telcordia standards for OTDR performance; ≤50 dB connector backreflection

² For single reflective events; excluding Index of Refraction uncertainty

³ Effective dynamic range using Telcordia standards

Power Meter Specifications OFTM-5631	
Input Connector	SC
Detector Type	InGaAs
Calibrated Wavelengths	850 nm, 1310 nm, 1550 nm
Power Measurement Range	0 to -60 dBm (1310 nm and 1550 nm) 0 to -52 dBm (850 nm)

400X FiberInspector Specifications OFTM-5354	
Magnification	400X (FT354 Video Probe)
Dimensions	1.3 x 1.3 x 4.3 in (3.3 x 3.3 x 10.9 cm) (Length depends on adapter tip)
Weight	1.4 oz (40 g)

Power Meter Loss/Length Specifications OFTM-5632	
Input/Output Connectors	SC
Nominal Output Wavelengths	1310 nm and 1550 nm
Maximum length measurement	10 km of 9 μm singlemode fiber
Output Power (nominal)	-10 dBm
Detector Type	InGaAs
Calibrated Wavelengths for Loss Measurement	850 nm, 1310 nm and 1550 nm
Power Measurement Range	0 to -60 dBm (1310 nm and 1550 nm) 0 to -52 dBm (850 nm)

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