

OptiFiber® Specifications and Ordering Information

General Specifications	
Weight	Main with module and battery: 4.5 lbs (1.9 kg)
Dimensions	Main with module and battery: 10.6 x 7.5 x 2.5 in (26.9 x 19.1 x 6.4 cm)
Battery	Li-Ion
Battery Life	8 hours
Connections	USB, RS-232, Fiber Inspector camera port, PS-2 keyboard
Memory Card	SD MMC
Environmental Specifications	
Operating Temperature	0°C to 40°C
Non-Operating Temperature	-20°C to 60°C
Relative Humidity (%RH operating without condensation)	95% (10 to 35°C) 75% (35 to 40°C) uncontrolled < 10°C
Vibration	Random, 2 g, 5-500 Hz
Shock	1 meter drop test while module is both inserted inside and outside the instrument enclosure



OptiFiber Certifying OTDR

Key OTDR Specs (23°C)	Multimode: OFTM-5610, OFTM-5611, OFTM-5612	Singlemode: OFTM-5630, OFTM-5631, OFTM-5632
Output/Input Connector	SC/UPC	SC/UPC (laser-hardened)
Wavelengths	850 ±20 nm and 1300 ± 20 nm	1310 ±20 nm and 1550 ± 20 nm
Fiber under test	50/125 µm or 62.5/125 µm multimode	9/125 µm singlemode
Event Deadzone	850 nm: 0.7 m typical, 1 m max 1300 nm: 1.5 m Typical, 2 m max	1310/1550 nm: 3 m typical, 3.5 m max
Attenuation Deadzone	850 nm: 4.5 m Typical, 5.5 m max 1300 nm: 10.5 m Typical, 15 m max	1310/1550 nm: 10.5 m typical, 15 m max
Pulse Width	850 nm: 4 ns, 20 ns 1300 nm: 8 ns, 40 ns, 100 ns, 200 ns, 400 ns, 650 ns	1310 nm/1550 nm: 8 ns, 40 ns, 100 ns, 250 ns, 500 ns, 1 us
Max Distance Range	850 nm: 3 km, 1300 nm: 7 km	1310 nm: 20 km, 1550 nm: 20 km
Dynamic Range	850 nm: >10 dB 1300 nm: >10 dB	1310 nm: >11 dB 1550 nm: >9 dB

Key Power Meter and Loss/Length Specifications (23°C)	OFTM-5612, OFTM-5632
Input/Output Connectors	SC/SC
Nominal Output Wavelengths	OFTM-5612: LED source: 850 nm and 1300 nm OFTM-5632: Laser source: 1310 nm and 1550 nm
Maximum Length Measurement	OFTM-5612: 5 km of 62.5 µm or 50 µm multimode fiber OFTM-5632: 20 km of 9 µm singlemode fiber
Power Measurement Detector Type	InGaAs
Calibrated Wavelengths for Power Measurement	850 nm, 1310 nm, 1550 nm
Power Measurement Range	0 to -60 dBm (1300/1310 nm and 1550 nm) 0 to -52 dBm (850 nm)

Note:
 Refer to OptiFiber Extended Specifications for further details
 Above specifications are subject to change without notice

Power Meter Specifications OFTM-5611, OFTM-5631

Input Connector	SC
Detector Type	InGaAs
Calibrated Wavelengths	850 nm, 1310 nm, 1550 nm
Power Measurement Range	0 to -60 dBm (1300/1310 nm and 1550 nm), 0 to -52 dBm (850 nm)

FiberInspector™ Pro Specifications OFTM-5352

Magnification	Switchable – 250x / 400x
Dimensions (without tip)	1.8 x 1.7 x 5.5 in (4.6 x 4.3 x 14.0 cm) (Length depends on adapter tip)
Weight	0.4 lb (180 g)

OptiFiber Packages Ordering Information

Model	Description	Includes
OF-500-01	OptiFiber OTDR	Mainframe, battery, MM OTDR module, 62.5 μm launch cable, CDs w/LinkWare & manuals, user guide, 16 MB MMC, USB cable, AC adapter, carrying strap
OF-500-02	OptiFiber Advanced OTDR	Mainframe, battery, MM OTDR/OPM module, 62.5 μm launch cable, CDs w/LinkWare & manuals, user guide, 16 MB MMC, USB cable, AC adapter, carrying strap, soft protective case, 62.5 μm test jumpers
OF-500-10	OptiFiber Certifying OTDR	Mainframe, battery, MM OTDR/OPM/LL module, 62.5 μm launch cable, CDs w/LinkWare & manuals, user guide, 16 MB MMC, USB cable, AC adapter, carrying strap, soft protective case, 62.5 μm test jumpers, 250X/400X inspection camera, hard carry case, MMC reader
OF-500-15	OptiFiber SR Certifying OTDR	Mainframe, battery, MM OTDR/OPM/LL module, 62.5 μm launch cable, CDs w/LinkWare & manuals, user guide, 16 MB MMC, USB cable, AC adapter (x2), carrying strap, soft protective case, 62.5 μm test jumpers, 250X/400X inspection camera, hard carry case, MMC reader, Smart Remote unit, Smart Remote MM Module, Smart Remote user guide, Smart Remote carrying strap, mini-B USB cable
OF-500-35	OptiFiber Pro Inspector LL OTDR	Mainframe, battery, MM OTDR/OPM/LL module, SM OTDR/OPM/LL module, 62.5 μm and singlemode launch cables, CDs w/LinkWare & manuals, user guide, 16 MB MMC, USB cable, AC adapter, carrying strap, soft protective case, 62.5 μm and singlemode test jumpers, 250X/400X inspection camera, hard carry case

OptiFiber Mainframe and Modules Ordering Information

Model	Description	Use
OF-500	OptiFiber Mainframe and Battery	Mainframe, battery, CD w/ LinkWare & manuals, user manual, AC adapter, 16 MB MMC, USB cable, carrying strap
OFTM-5610	OptiFiber Multimode OTDR Module	Pinpoint the location of problems within a multimode fiber link, even if spaced as closely as 1 m apart
OFTM-5611	OptiFiber Multimode OTDR + PM Module	Measure the insertion loss of multimode fiber link using a separate far-end 850/1300 nm source
OFTM-5612	OptiFiber Multimode OTDR + PM + Loss/Length Module	Certify a multimode link using the proven standards-based two fiber, dual wavelength methodology
OFTM-5630	OptiFiber Singlemode OTDR Module	Pinpoint the location of problems within a singlemode fiber link, even if spaced as closely as 3 m apart
OFTM-5631	OptiFiber Singlemode OTDR + PM Module	Measure the insertion loss of 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 methodology



OptiFiber soft protective case OFCC-SCASE



OptiFiber Li-Ion Battery OFBP-LI



MMC reader DSP-MCR-U

OptiFiber Options and Accessories Ordering Information

Model	Description	Use
OFTM-5352	FiberInspector™ Pro Video Probe, 250x/400x	High resolution 250x/400x inspection of fiber connectors on patch panels and cable assemblies. Includes Probe Adapter Tips (ST, SC, FC, and universal 2.5 mm patch cord tip)
OFSR-MMREM	Smart Remote with Multimode Option	Use with OptiFiber mainframe for Smart Remote loss/length certification. Includes smart remote unit with a smart remote multimode module and accessories
OFSR-SFM	Singlemode Smart Remote Module Option	Use with the OptiFiber Smart Remote Option (OFSR-MMREM) to allow smart remote loss/length certification of singlemode fibers
OFSR-MFM	Multimode Smart Remote Module Option	Use with a DTX CableAnalyzer™ copper tester to allow its remote unit to work with an OptiFiber mainframe as an OptiFiber smart remote unit for loss/length testing of multimode fibers
NF360	FiberInspector MT-RJ Probe Tip	For inspecting MT-RJ small form factor connectors
NF362	FiberInspector LC Probe Tip	For inspecting LC small form factor connectors
NF364	FiberInspector MU Probe Tip	For inspecting MU small form factor connectors
NF366	FiberInspector E2000 Probe Tip	For inspecting E2000 connectors
NFK1-LAUNCH	SC-SC 62.5/125 μm Launch Cable, 100 m	OptiFiber launch and receive cables
NFK2-LAUNCH	SC-SC 50/125 μm Launch Cable, 100 m	
NFK3-LAUNCH	SC-SC Singlemode Launch Cable, 130 m	
OFBP-LI	OptiFiber Li-Ion Battery	Test a full 8 hours between charges with integrated charger
OFCC-SCASE	OptiFiber Soft Protective Case	Additional protection for the mainframe and module
OFCC-HCASE	OptiFiber Hard Carrying Case	Ultimate protection for the mainframe, modules, batteries and accessories
OPV-KB	External Mini-keyboard	Enter information quickly with the plug and play keyboard
DSP-MMC16	16 MB MultiMedia Memory Card	Record storage
DSP-MMC32	32 MB MultiMedia Memory Card	
MMC CASE	MMC Softcase	Easily keep track of your MMC cards in this handy case that stores up to 8 MMC cards
DSP-MCR-U	MMC Reader, USB cable	Upload saved results to the PC for results management, analysis and reporting
8251-03	SimpliFiber 850/1300 LED Source, ST	Optional sources for use with OptiFiber OTDR + Power Meter Modules
8251-13	SimpliFiber 850/1300 LED Source, SC	
8251-01	SimpliFiber 1310 Laser Source, ST	
8251-11	SimpliFiber 1310 Laser Source, SC	
8251-02	SimpliFiber 1550 Laser Source, ST	
8251-12	SimpliFiber 1550 Laser Source, SC	
NF400	Soft Case for Patch Cords & Accessories	Easily keep track of OptiFiber patch cords and small accessories
NF430	Cleaning Kit	Properly clean fibers with optical grade cleaning pads, swabs and alcohol
800695	Adapter Cable for Cigarette Lighter Jacks	Charge the OptiFiber while on route to the jobsite



OptiFiber Smart Remote OFSR-MMREM



FiberInspector™ Pro Video Probe OFTM-5352

NETWORK SUPERVISION

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

Fluke Networks operates in more than 50 countries worldwide. To find your local office contact details, go to www.flukenetworks.com/contact.

©2004 Fluke Corporation. All rights reserved.
Printed in U.S.A. 10/2004 2032360 D-ENG-N Rev E