Sold by:
TWAcomm.com
http://www.TWAcomm.com
Toll Free: (877) 892-2666

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: 11.4 x 7.5 x 2.5 in (29.0 x 19.1 x 6.4 cm)
Battery	Li-Ion
Battery life	8 hours typical
Connections	USB, RS-232, FiberInspector™ 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-5610B, OFTM-5611B, OFTM-5612B	Singlemode: OFTM-5730, OFTM-5731, OFTM-5732
Output/input connector	SC/UPC removeable/cleanable	SC/UPC removable/cleanable
Wavelengths	850 ± 20 nm and 1300 ± 25 nm	1310 ± 25 nm and 1550 ± 30 nm
Fiber types tested	50/125 µm or 62.5/125 µm multimode	9/125 µm singlemode
Event deadzone	850 nm: 0.5 m typical 1300 nm: 1.3 m typical	1310/1550 nm: 1 m typical
Attenuation deadzone	850 nm: 4.5 m typical 1300 nm: 10.5 m typical	1310/1550 nm: 8 m typical
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: 5 ns, 20 ns, 40 ns, 100 ns, 300 ns, 1 µs, 3 µs, 10 µs
Max distance range	850 nm: 3 km, 1300 nm: 7 km	1310/1550 nm: 60 km
Dynamic range	850 nm: 15 dB typical 1300 nm: 14 dB typical	1310 nm: 26 dB typical 1550 nm: 24 dB typical
Testing speed	<10s for two wavelengths at 2 km with 25 cm resolution <30s for two wavelengths at 400 m with 3 cm resolution	Auto OTDR 15 seconds typical Manual OTDR 15 seconds to 3 min
Output power	850 nm: >110 mW-pk 1300 nm: >22 mW-pk	1310 nm: >28 mW-pk 1550 nm: >24 mW-pk
Distance accuracy	± 1 m ± 0.005% of distance ± 50% of resolution ± IOR error ± event location error	
Loss threshold	.2 dB	.01 dB to 1.5 dB inclusive
Linearity	± .07 dB/dB	± .05 dB/dB
Sample resolution	3 cm to 50 cm	3 cm to 400 cm
Reflectance accuracy	± 4 dB	± 4 dB
ORL accuracy	± 4 dB	± 4 dB
Laser classification	Class 1 CDRH, complies to EN 60825-2	

Key Power Meter and Loss/Length Specifications (23°C)	OFTM-5612B, OFTM-5732
Input/output connectors	Removable/interchangeable input connector; SC/PC output connector
Nominal output wavelengths	OFTM-5612B: LED source: 850 nm and 1300 nm OFTM-5732: Laser source: 1310 nm and 1550 nm
Measurement range	OFTM-5612B: 5 km of 62.5 µm or 50 µm multimode fiber; 20 km in far-end source mode OFTM-5732: 10 km of 9 µm singlemode fiber; 60 km in far-end source mode
Power measurment detector type	InGaAs
Calibrated wavelengths for power measurment	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)
Output power (nominal)	OFTM-5612B: -19.5 dBm; OFTM-5732: -7 dBm

Note:
Above specifications are subject to change without notice

OptiFiber® Certifying OTDR. Bringing Network SuperVision to premise fiber networks with the most complete fiber optic test solution.

Sold by:
TWAcomm.com
http://www.TWAcomm.com
Toll Free: (877) 892-2666

Power Meter Specifications OFTM-5611B, OFTM-5731	
Input connector	Removable/interchangeable SC input connector
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)

VFL Specifications OFTM-5730, OFTM-5731, OFTM-5732	
On/off control	Controlled by OptiFiber software (no hardware switch)
Output power (into singlemode fiber)	316 um (-5 dBm) < or equal to peak power > or equal to 1 mw (0 dBm)
Operating wavelength	650 nm nominal
Spectral width	± 3 nm
Output modes	Continuous and pulse mode (2Hz-3Hz blink)
Connector adapter	2.5 mm universal
Laser safety	Class II CDRH complies to EN60825-2

OptiFiber Packages Spec Table

Model	Description	Includes
OF-500-01	OptiFiber Multimode OTDR	Mainframe, battery, MM OTDR module, 62.5 µm launch fiber cable, CDs with LinkWare and manuals, user guide, 32 MB MMC, USB cable, AC adapter, protective carrying case
OF-500-01/50M	OptiFiber Multimode OTDR (50 µm)	50µm launch fiber replaces 62.5 µm launch fiber
OF-500-02	OptiFiber Multimode OTDR with Power Meter	Mainframe, battery, MM OTDR/OPM module, 62.5 µm launch fiber, CDs with LinkWare and manuals, user guide, 32 MB MMC, USB cable, AC adapter, carrying strap, protective carrying case
OF-500-02/50M	OptiFiber Multimode OTDR with Power Meter (50 µm)	50 µm launch fiber and test reference cords replace 62.5 µm launch fiber
OF-500-03	OptiFiber Singlemode OTDR	Mainframe, battery SM OTDR module, launch fiber, CDs with LinkWare and manuals, user guide, 32 MB MMC, USB cable, AC adapter, carrying strap, protective carrying case
OF-500-10	OptiFiber Multimode Certifying OTDR	Mainframe, battery, MM OTDR/OPM/LL module, 62.5 µm launch fiber, CDs with LinkWare and manuals, user guide, 32 MB MMC, USB cable, AC adapter, carrying strap, protective carrying case, 62.5 µm test reference cords, 250X/400X inspection camera, MMC reader
OF-500-10/50M	OptiFiber Multimode Certifying OTDR (50 µm)	50 µm launch fiber and test reference cords replace 62.5 um launch fiber and test reference cords replace 62.5 µm
OF-500-13	Singlemode Certifying Smart Remote OTDR	Mainframe, battery, SM OTDR/OPM/LL module, launch fiber, CDs with LinkWare and manuals, user guide, 32MB MMC, USB cable, AC adapter (x2), carrying strap, test reference cords, 250X/400X inspection camera, hard carrying case, MMC reader, Smart Remote unit, Smart Remote SM Module, Smart Remote user guide, Smart Remote carrying strap, mini-B USB cable
OF-500-15	OptiFiber SR Certifying OTDR	Mainframe, battery, MM OTDR/OPM/LL module, 62.5 µm launch fiber, CDs with LinkWare and manuals, user guide, 32 MB MMC, USB cable, AC adapter (x2), carrying strap, 62.5 µm test reference cords, 250X/400X inspection camera, hard carrying case, MMC reader, Smart Remote unit, Smart Remote MM Module, Smart Remote user guide, Smart Remote carrying strap, mini-B USB cable
OF-500-15/50M	OptiFiber SR Certifying OTDR (50 µm)	50 µm launch fiber and test reference cords replace 62.5 um launch fiber and test reference cords
OF-500-35	OptiFiber Multimode/Singlemode OTDR	Mainframe, battery, MM OTDR/OPM/LL module, SM OTDR/OPM/LL module, protective carrying case, 62.5 µm, 8.3 µm launch fibers, CDs with LinkWare and manuals, user guide, 32 MB MMC, USB cable, AC adapter, carrying strap, 62.5 µm, 8.3 µm test reference cords, 250X/400X inspection camera, hard carrying case
OF-500-35/50M	OptiFiber Multimode/Singlemode OTDR (50 µm)	50 µm launch fiber and test reference cords replaces 62.5 µm, launch fiber and test reference cords
OF-500-45	OptiFiber Multimode/Singlemode Certifying OTDR	Includes contents of OF-500-35 plus: 50 µm launch fiber, 50 µm test reference cords protective carrying case, Smart Remote unit, Smart Remote MM module, Smart Remote carry strap, Smart Remote user guide, Mini-B USB cable, a second AC adapter, MMC reader

Sold by:
TWAcomm.com
http://www.TWAcomm.com
Toll Free: (877) 892-2666

OptiFiber Mainframe and Modules Ordering Information

Model	Description	Use
OF-500	OptiFiber Mainframe and Battery	Mainframe, battery, CD with LinkWare and manuals, user manual, AC adapter, 32 MB MMC, USB cable, carrying strap
OFTM-5610B	OptiFiber Multimode OTDR Module	Pinpoint the location of problems within a multimode fiber link, even if spaced as closely as .5 m apart
OFTM-5611B	OptiFiber Multimode OTDR + PM Module	Measure the attenuation of multimode fiber link using a separate far-end 850/1300 nm source
OFTM-5612B	OptiFiber Multimode OTDR + PM + Loss/Length Module	Certify a multimode link using the proven standards-based two fiber, dual wavelength methodology
OFTM-5730	OptiFiber Extended Range Singlemode OTDR Module	Pinpoint the location of problems within a singlemode fiber links, even if spaced as closely as 1 m apart
OFTM-5731	OptiFiber Extended Range Singlemode OTDR + PM Module	Measure the loss of singlemode fiber links using a separate far-end 1310/1550 nm source
OFTM-5732	OptiFiber Extended Range Singlemode OTDR + PM + Loss/Length Module	Certify a singlemode link using the proven standards-based two fiber, dual wavelength methodology

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™ 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 fibers
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-SOFTCASE	OptiFiber protective carry case	Protective carrying case for mainframe, module, launch fiber and accessories
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
32MB	Secure digital memory card	Record storage
DTX-SMC32	32MB secure digital 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
8251-13	SimpliFiber 850/1300 LED Source, SC	Optional sources for use with OptiFiber OTDR + power meter modules
8251-11	SimpliFiber 1310 Laser Source, SC	
8251-12	SimpliFiber 1550 Laser Source, SC	
NF400	Soft Case for Patch Cords & Accessories	Easily keep track of 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 route to the jobsite
OPV-PS	AC adapter with line cord	Keep your battery charged up with AC adapter
OPV-KB	External keyboard	Use optional keyboard for fast set up
NFA-SC	SC connector adapters for OFTM Power Meter and DTX Module inputs, set of two	Replacement SC adapters for Power Meter Ports

Sold by:
TWAcomm.com
http://www.TWAcomm.com
Toll Free: (877) 892-2666

OptiFiber Options and Accessories Ordering Information

Model	Description	Use
NFA-LC	LC connector adapters for OFTM Power Meter and DTX Module inputs, set of two	Replacement LC adapters for Power Meter Ports
NFA-ST	ST connector adapters for OFTM Power Meter and DTX Module inputs, set of two	Replacement ST adapters for Power Meter Ports
NFA-FC	FC connector adapters for OFTM Power Meter and DTX Module inputs, set of two	Replacement FC adapters for Power Meter Ports
NFK1-DPLX-SC	SC/SC to SC/SC Duplex 62.5 um test reference cord, 2 m, set of two	Use high quality, durable, test reference cords and mandrels for the best power and loss length measurements
NFK1-DPLX-LC	SC/LC to LC/LC Duplex 62.5 um test reference cord, 2 m, set of two	
NFK1-DPLX-ST	SC/ST to ST/ST Duplex 62.5 um test reference cord, 2 m, set of two	
NFK1-DPLX-FC	SC/FC to FC/FC Duplex 62.5 um Test Reference cord, 2 m, set of two	
NFK2-DPLX-SC	SC/SC to SC/SC Duplex 50 um test reference cord, 2 m, set of two)	
NFK2-DPLX-LC	SC/LC to LC/LC Duplex 50 um test reference cord, 2 m, set of two	
NFK2-DPLX-ST	SC/ST to ST/ST Duplex 50 um test reference cord, 2 m, set of two	
NFK2-DPLX-FC	SC/FC to FC/FC Duplex 50 um test reference cord, 2 m, set of two	
NFK3-DPLX-SC	SC/SC to SC/SC Duplex Singlemode test reference cord, 2 m, set of two	
NFK3-DPLX-LC	SC/LC to LC/LC Duplex Singlemode test reference cord, 2 m, set of two	
NFK3-DPLX-ST	SC/ST to ST/ST Duplex Singlemode test reference cord, 2 m, set of two	
NFK3-DPLX-FC	SC/FC to FC/FC Duplex Singlemode test reference cord, 2m, set of two	
NF-Mandrel-Kit	Mandrel Kit 2 each for testing 50 um and 62.5 um with 3 mm jacket	Use mandrels for accurate, standard compliant multimode measurements
NF-Mandrel -50	Mandrel for 50 um fiber with 3 mm jacket	Use mandrels for accurate, standard compliant multimode measurements
NF-Mandrel-625	Mandrel for 62.5 um fiber with 3 mm jacket	Use mandrels for accurate, standard compliant multimode measurements
LinkWare	LinkWare cable test management software CD	The best results management tool to document your results
NFK1-LAUNCH-ST	Launch Fiber, Multimode 62.5 um SC/ST 100 m	Hybrid launch fiber for testing cabling with ST style connectors
NFK2-LAUNCH-ST	Launch Fiber, Multimode 50 um SC/ST 100 m	
NFK3-LAUNCH-ST	Launch Fiber, Singlemode SC/ST 130 m	
NFK1-LAUNCH-LC	Launch Fiber, Multimode 62.5 um SC/LC 100 m	Hybrid launch fiber for testing cabling with LC style connectors
NFK2-LAUNCH-LC	Launch Fiber, Multimode 50 um SC/LC 100 m	Hybrid launch fiber for testing cabling with LC style connectors
NFK3-LAUNCH-LC	Launch Fiber, Singlemode SC/LC 130 m	Hybrid launch fiber for testing cabling with LC style connectors
NFK2-LAUNCH-E2K	Launch Fiber, Multimode 50 um SC/E2000 100 m	Hybrid launch fiber for testing cabling with E2000 style connectors
NFK3-LAUNCH-E2K	Launch Fiber, Singlemode SC/E2000 130 m	
NF-OPRT-SC	SC OTDR Port Adapter	Replacement adapter for OptiFiber OTDR port

NETWORKSUPERVISION

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. 7/2006 2032360 D-ENG-N Rev F