



DTX FTK Meter & SimpliFiber Source Kit

Today's networks are built upon twisted pair and fiber optic cabling. Certify both media types with the DTX CableAnalyzer™. Several DTX fiber modules are available to meet your particular needs. The DTX Fiber Module sets feature time acceleration certification technology and on-module troubleshooting for the ultimate in speed and efficiency. A DTX FTK Meter and SimpliFiber Source Kit is a lower-cost solution for Tier 1 link certification and optical device validation. Cable installers and network managers with either few fibers to test or relatively low labor expenses will find the DTX FTK Meter & SimpliFiber Source Kit a valuable tool for fiber testing.

Features

- Measure optical power and loss with your DTX CableAnalyzer
- Kit includes a DTX fiber optic meter and a SimpliFiber multimode far-end optical source
- The rugged on-board DTX fiber optic meter module resides in the tester and is always on-hand when needed
- Optional singlemode sources available
- Immediate Pass or Fail indication
- Save thousands of test results and create professional test reports

Validate performance

The DTX FTK Meter & SimpliFiber Source Kit includes a DTX fiber optic meter (DTX-FOM). Insert the DTX-FOM into the DTX main unit where it is well protected, always on-hand and ready when needed. The DTX-FOM measures power at 850 nm, 1300/1310 nm and 1550 nm. Use this module to measure the power output from optical transceivers found in routers, switches, NICs and other network devices. Quickly validate that these devices are performing as expected.

Certify multimode and singlemode fiber links

Use the DTX-FOM to measure the loss of multimode and singlemode fibers with the addition of an optical source at the far-end of a fiber link. Included in the kit is an 850 nm and 1300 nm SimpliFiber source for multimode fiber testing. Available as optional accessories are 1310 nm and 1550 nm sources for singlemode fiber testing. Use the same DTX-FOM fiber optic meter with all sources. The DTX automatically calculates and instantly presents the Pass or Fail status of a link based on limits you select. Save the results using a unique alphanumeric cable ID that can be automatically incremented. The DTX can store thousands of test results.

Easily document test results

Easily upload the saved test results to a PC using either a USB or serial cable. Alternately, pass test results to the PC on a removable multimedia card. Create, manage and print test reports using LinkWare PC



software, the same software you use for documenting your copper test records. LinkWare gives everyone the power to create professional test reports, helped along with a user-friendly reporting wizard.



Specifications

DTX-FOM specifications	
Optical Specifications¹	
Input adapter	SC
Detector type	InGaAs
Calibrated wavelengths	850 nm, 1300 nm, 1310 nm, 1550 nm
Measurement range	0 to -60 dBm (1310 nm and 1550 nm) 0 to -52dBm (850 nm)
Measurement uncertainty ² (accuracy)	± 0.25 dB
Measurement linearity	±0.1 dB ³ (1310 nm and 1550 nm) ±0.2dB ⁴ (850 nm)
Environmental Specifications	
Operating temperature:	0° C to 40° C
Storage 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, 2g, 5-500 Hz
Shock:	1 m drop onto all corners and faces, test cables not attached
Safety:	CE, CSA
General Specifications	
Dimensions (L x W x D), nominal	4.2 in x 3.0 in x 1.1 in (106 mm x 76 mm x 28 mm)
Weight, nominal	0.31 lb (0.14 kg)
DTX CableAnalyzer compatibility	DTX-1800, DTX-1200 and DTX-LT main units
SimpliFiber 850/1300 source specifications	
Optical Specifications	
Connector	SC
Emitter type	850 nm LED and 1300 nm LED
Emitter wavelengths	850 nm and 1300 nm
Power output (minimum)	-20 dBm both wavelengths
Power output stability (8 hours)	±0.25 dB at 23 °C
Environmental Specifications	
Temperature range, operating	0 to +45 °C
Temperature range, storage	-20 to +60 °C
Humidity range, operating	10 to 90% RH, non-condensing
Humidity range, storage	0 to 95% RH, non-condensing
General Specifications	
Certifications	CE, CSA
Battery life (2 replaceable AA alkaline batteries)	10 – 50 hours typical
Dimensions	6.0 x 3.5 x 1.3 in (15.3 x 8.9 x 3.2 cm)
Weight	0.18 kg (0.4 lb)


¹ After 5 minute warm-up at 23° C unless otherwise specified.

² Power level -20 dBm, continuous wave, 62.5/125 at 850 nm, 9/125 at 1310 and 1550 nm.

³ For 1310 and 1550 nm, ±0.1 dB from 0 to -55 dBm, ±0.2 dB < -55 dBm.

⁴ For 850 nm, ±0.2 dB from 0 to -45 dBm, ±0.25 dB < -45 dBm

Ordering Information

Model	Description
 DTX-FTK	DTX FTK Meter and SimpliFiber Source Kit: DTX-FOM fiber optic meter, SimpliFiber 850 nm and 1300 nm LED optical source with carrying case and multiple language user guides
Options and accessories	
SimpliFiber 1310 Source	SimpliFiber 1310 nm laser optical source Singlemode fiber testing
SimpliFiber 1550 Source	SimpliFiber 1550 nm laser optical source. Singlemode fiber testing
LS-1310/1550	1310 nm and 1550 nm laser optical source. Singlemode fiber testing
NF-MANDREL-50	Fiber mandrel for 3 mm jacketed test jumper and 50/125 μm fiber
NF-MANDREL-625	Fiber mandrel for 3 mm jacketed test jumpers and 62.5/125 μm fiber
NFK1-MANDREL-KIT	Fiber mandrel kit for 3 mm jacketed test jumpers for 50/125 μm fiber and for 62.5/125 μm fiber
LinkWare	LinkWare Cable Test Management Software (free download from Fluke Networks web site)

NETWORK SUPERVISION

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

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