

# DTX Fiber Modules

*With today's demands on high-speed data networks containing both fiber optic and twisted-pair cabling, it's more important than ever to certify and document multiple media types to ensure a properly executed installation.*

*Now you can accurately certify copper and fiber with the new DTX CableAnalyzer™. Only the DTX Series offers optional on-board fiber modules.*

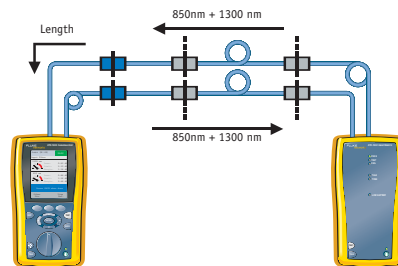
*More convenient and powerful than other fiber optic test solutions, these modules enhance certification and troubleshooting with two-fiber, dual-wavelength testing and an integrated Visual Fault Locator (VFL). And no other solution lets you switch between copper and fiber with a touch of a button. Not only can you certify both media types, but you can do it faster and more efficiently than you ever imagined.*

## The DTX fiber advantage:

- Fiber on-board when you need it
- Five times faster than existing testers with 12-second Autotest
- Delivers Tier 1 LinkWare fiber certification reports
- Optimized for applications ranging from 10 Mb/s to 10 Gb/s
- Locates fibers, verifies continuity and polarity, and finds breaks with built-in VFL
- Speeds testing with TALK, FINDFIBER, MONITOR, bi-directional and single fiber test features
- Supports multiple SFF (small form factor) fiber connectors

## Record-fast fiber certification

We engineered the DTX Fiber Modules to accelerate testing through exclusive technology and an easy-to-use interface. Press the Autotest button and automatically test two fibers, each at two wavelengths, measure length, and determine pass or fail status – all in about 12 seconds. Our fiber modules let you test more fibers in less time, minimizing testing costs and freeing



Unlike competitive fiber adapters which measure length and *two* loss measurements per Autotest, DTX is the only fiber test solution that measures length and *four* loss measurements per Autotest – all in about 12 seconds. With DTX Fiber Modules, you can speed through fiber testing five times faster than the competition.



you up for other tasks. Over time, the savings are substantial – easily more than 100 hours per year.

## Test copper and fiber with a touch of a button

Only the DTX platform offers optional on-board fiber modules. Never lose time searching for your fiber adapter. Fiber certification is always resident and ready when you are.

## Deliver complete Tier 1 certification

DTX fiber modules provide a complete Tier 1 certification solution – loss, length and polarity. Validate fiber link performance and installation quality. Measure optical loss at multiple wavelengths, measure fiber length and verify polarity. You can bi-directionally test two fibers at two wavelengths with incredible speed without swapping main and remote units, a capability only available from Fluke Networks.






## Selected Specifications\*

Optical Specifications (23°C)	
Input (Meter) connectors	Removeable adapter on fiber optic power meter (input port). Removable SC adapter standard with product. Optional removable adapters: LC, ST and FC
Output (Source) connectors	Fixed SC adapter
Source type and nominal wavelength	DTX-MFM2: 850 nm LED and 1300 nm LED DTX-GFM2: 850 nm VCSEL and 1310 nm FP laser DTX-SFM2: 1310 nm FP laser and 1550 nm FP laser
Source power	DTX-MFM2: ≥ -20 dBm, DTX-SFM2: ≥ -7 dBm
Length measurement	DTX-MFM2: ≤ 5,000 m of 62.5 or 50 μm fiber DTX-GFM2: ≤ 5,000 m of 62.5 or 50 μm fiber DTX-SFM2: ≤ 10,000 m of 9 μm singlemode fiber
Power meter type	InGaAs detector
Power measurement range	0 to -60 dBm (1310 nm and 1550 nm) 0 to -52 dBm (850 nm)
VFL Specifications (23°C)	
Laser type and nominal wavelength	Class II CDRH, 650 nm
Output modes	Continuous wave and flashing mode
Connector adapter	2.5 mm universal
Environmental Specifications	
Operating temperature	0°C to 40°C
Storage temperature	-20°C to 60°C
Safety	CE, CSA, EN 61010-1
General Specifications	
Dimensions (L x W x D), nominal	4.2" x 3.0" x 1.1" (106 mm x 76 mm x 28 mm)
Weight, nominal	0.31 lb (0.14 kg)

\* Visit [flukenetworks.com/dtxfm](http://flukenetworks.com/dtxfm) for complete specifications.

## Ordering Information

Models	Descriptions
 DTX-MFM2	<b>Set of two DTX Multimode Fiber Modules, each incorporating:</b> <ul style="list-style-type: none"> <li>• 850 nm and 1300 nm LED sources combined into a single output port</li> <li>• 850/1300/1310/1550 nm power meter</li> <li>• Integrated VFL</li> </ul>
 DTX-GFM2	<b>Set of two DTX Gigabit Multimode fiber modules, each incorporating:</b> <ul style="list-style-type: none"> <li>• 850 nm VCSEL and 1310 nm laser sources combined into a single output port</li> <li>• 850/1300/1310/1550 nm power meter</li> <li>• Integrated VFL</li> </ul>
 DTX-SFM2	<b>Set of two DTX Singlemode Fiber Modules, each incorporating:</b> <ul style="list-style-type: none"> <li>• 1310 nm and 1550 nm laser sources combined into a single output port</li> <li>• 850/1300/1310/1550 nm power meter</li> <li>• Integrated VFL</li> </ul>
NFB1/2-LC&ST	<b>Adapter kit</b> - containing all Test Reference Cords to test 62.5 and 50 μm fiber installations using LC, ST
GLD-DTX-FIBERMOD	<b>DTX Fiber Module Gold Support</b> Gold SuperVision ensures peace-of-mind with free annual calibration, free loaner units, 24/7 TAC, and special discounts on training and promotions.

## Certify multimode and singlemode fiber

Your network may contain both multimode or singlemode fiber types. Our LED modules and laser modules ensure standards-compliant certification. Our VCSEL/LD module qualifies the link for 1 or 10 Gigabit Ethernet use. Save, upload, manage and print comprehensive certification reports using Fluke Networks LinkWare™ PC software.

## Find faults faster

Use the integrated on-module visual fault locator (VFL) to troubleshoot simple link problems. The bright laser-driven VFL helps you visually locate many near-end fiber faults, and is useful for continuity and polarity verification. Our exclusive integrated design ensures that the VFL is always on-hand when you need it.

## Fluke Networks delivers Network SuperVision

Fluke Networks is committed to providing innovative Network SuperVision Solutions™ for testing and certifying copper and fiber cabling systems. Simply add these powerful modules to your DTX CableAnalyzer to certify, troubleshoot and document your fiber installations – today and tomorrow – with one compact field tester.

### 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](http://www.flukenetworks.com/contact).

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Printed in U.S.A. 3/2006 2131174 D-ENG-N Rev C