FLUKE networks

DTX-CLT CertiFiber®

Optical Loss Test Set

Today's enterprise data networks increasingly rely on fiber optic cabling, making it more important than ever for installers and network owners to use Optical Loss Test Sets (OLTS). OLTS help users certify and document their fiber links to meet established industry standards and to protect against network downtime and lost revenue.

The DTX-CLT CertiFiber® Optical Loss Test Set allows you to accurately certify two fibers concurrently over two wavelengths according to custom requirements or established industry specifications. Quickly and efficiently conduct troubleshooting with a conveniently integrated Visual Fault Locator (VFL).



DTX-CLT CertiFiber Features

- 12-second Autotest – loss measurement of two fibers at two wavelengths, optical link budget calculation, and a PASS/FAIL analysis
- Fast and professional test result documentation via the widely-used LinkWare reporting software
- Optimized for applications ranging up to 10-Gig
- Interchangeable multimode and singlemode modules (which are also compatible with the popular DTX™ CableAnalyzer)
- Accurate fiber length measurement – eliminate haphazard guessing
- Continuity and polarity verification
- Easy-to-use and widely-recognized DTX-based interface
- On-board VFL to locate fibers and breaks
- Speedy testing with FINDFIBER, MONITOR, single and bidirectional test features
- Supports various small form factor (SFF) fiber connectors

Fast and easy fiber certification

Using the same platform and interface as the renowned DTX™ CableAnalyzer, the DTX-CLT CertiFiber® Optical Loss Test Set certifies fiber according to industry standards by quickly providing four measurements on two fibers and returning a PASS/FAIL result – without having to take the time to swap the main and remote units as you would have to with traditional test sets. Such speed and efficiency in testing can easily save you more than 100 hours per year! Also, unlike most competing OLTS, the DTX-CLT CertiFiber actually measures fiber length for you, ensuring that you do not have to rely on often undependable sheath labeling or pacing methods.



DTX-CLT CertiFiber

Integrated troubleshooting capability

Occasional failures are a reality in testing. The DTX-CLT CertiFiber's on-board VFL helps you to quickly troubleshoot basic causes of failures such as breaks and macrobends. The bright laser VFL can easily highlight near-end fiber faults in addition to verifying polarity and continuity.

Professional documentation reporting

Test reports are often required as proof of quality. Use LinkWare to upload and manage test results from Fluke Networks' family of industry-leading copper and fiber cabling testers including the DTX™ CableAnalyzer, OptiFiber® OTDR, and SimpliFiber Pro® Optical Power Meter and Fiber Test Kits.

Technical Data

Fast and complete Tier 1 multimode/singlemode fiber certification

Selected Specifications*

Optical Specifications (23°C)	
Input (Meter) connectiors	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 for complete specifications.*



DTX-CLT CertiFiber

Ordering Information

Models	Descriptions
DTX-CERTIFIBER-M	Multimode DTX-CLT CertiFiber; includes DTX-MFM2 and one set of 50 µm SC/SC test reference cords
DTX-CERTIFIBER-S	Singlemode DTX-CLT CertiFiber; includes DTX-SFM2 and one set of singlemode SC/SC test reference cords
DTX-CERTIFIBER-MS	Multimode and singlemode DTX-CLT CertiFiber; includes DTX-MFM2 and DTX-SFM2 and one set each of 50 µm and singlemode SC/SC test reference cords
DTX-CERTIFIBER/MU	Replacement mainframe for DTX-CLT CertiFiber
DTX-CERTIFIBER/RU	Replacement remote for DTX-CLT CertiFiber
DTX-MFM2	Set of two DTX Multimode Fiber Modules, each incorporating 850 nm and 1300 nm LED sources combined into a single output port, 850/1300/1310/1550 nm power meter, and integrated VFL
DTX-GFM2	Set of two DTX Gigabit Multimode fiber modules, each incorporating 850 nm VCSEL and 1310 nm laser sources combined into a single output port, 850/1300/1310/1550 nm power meter, and integrated VFL
DTX-SFM2	Set of two DTX Singlemode Fiber Modules, each incorporating 1310 nm and 1550 nm laser sources combined into a single output port, 850/1300/1310/1550 nm power meter, and integrated VFL
NFB1/2-LC&ST	Adapter kit containing all Test Reference Cords to test 62.5 and 50 µm fiber installations using LC, ST
GLD-DTX-FIBERMOD	DTX Fiber Module Gold Support

NETWORKSUPERVISION

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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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