

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

FLUKE NETWORKS

Fluke Networks DTX-MFM Multimode Fiber Module

The Fluke Networks DTX-MFM Multimode Fiber Module expands DTX CableAnalyzer Series capabilities for certifying multimode fiber optic cabling systems. It measures optical loss, length, and propagation delay on multimode fiber links while ensuring compliance with ISO and TIA standards. The module accelerates certification workflows, allowing technicians to test and document multimode fiber installations efficiently through integration with LinkWare™ PC software. Compatibility & Integration Compatible with all DTX-Series CableAnalyzer mainframes. Full dual-fiber certification requires a second DTX fiber module (e.g., DTX-MFM2) installed on the DTX Smart Remote. Certifies 62.5 μm and 50 μm multimode fiber. Aumictech offers NIST-traceable calibration and repair for the Fluke Networks DTX-MFM. Calibration covers distance accuracy verified against a calibrated fiber length reference, event lo



MODEL	CALIBRATION
Fluke Networks DTX-MFM	Available on request
CONDITION	STATUS
Used	In stock
RFQ / SKU	LISTING
DTX-MFM	https://aumictechlabs.com/products/dtx-mfm-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fluke Networks DTX-MFM Multimode Fiber Module expands DTX CableAnalyzer Series capabilities for certifying multimode fiber optic cabling systems. It measures optical loss, length, and propagation delay on multimode fiber links while ensuring compliance with ISO and TIA

standards. The module accelerates certification workflows, allowing technicians to test and document multimode fiber installations efficiently through integration with LinkWare™ PC software.

Technical Specifications

Optical Sources & Detection Dual-wavelength LED sources: 850 nm and 1300 nm Source power: ≥ -20 dBm InGaAs detector for power measurement Power measurement range: 0 to -52 dBm (850 nm); 0 to -60 dBm (1310 nm and 1550 nm) Maximum fiber span: 5,000 meters (62.5 μ m or 50 μ m) Visual Fault Locator (VFL) Class II CDRH laser at 650 nm Continuous wave and flashing output modes Universal 2.5 mm connector adapter Connectors Source output: Fixed SC adapter Power meter input: Removable SC adapter (standard); optional LC, ST, and FC adapters VFL output: Universal fiber connector (2.5 mm ferrules)

Physical Specifications Dimensions: 4.2" $\times$ 3.0" $\times$ 1.1" (106 mm $\times$ 76 mm $\times$ 28 mm) Weight: 0.31 lb (0.14 kg) Operating temperature: 0°C to 40°C Storage temperature: -20°C to 60°C

Key Features Tier 1 certification for loss, length, and polarity measurement Dual-wavelength testing at 850 nm and 1300 nm Integrated VFL for troubleshooting faults, continuity, and polarity FindFiber™ function for fiber routing and continuity identification Mandrel wrap support for compliant LED-source testing on 50 μ m and 62.5 μ m fiber

Typical Applications Enterprise multimode cabling certification Data center fiber verification and documentation Telecom/ISP multimode network acceptance testing Loss/length/polarity troubleshooting Optical power analysis

Compatibility & Integration Compatible with all DTX-Series CableAnalyzer mainframes. Full dual-fiber certification requires a second DTX fiber module (e.g., DTX-MFM2) installed on the DTX Smart Remote. Certifies 62.5 μ m and 50 μ m multimode fiber.

Features & description

From manufacturer datasheet

Features

- Multimode LED sources at 850 nm and 1300 nm • InGaAs power meter calibrated at 850/1310/1550 nm • Integrates with DTX CableAnalyzer and LinkWare • Removable meter adapters SC standard; LC/ST/FC optional • Fixed SC source adapter • Field-swappable module pair form factor

Applications

- Multimode fiber loss/length/polarity certification with DTX • Enterprise 50/125 and 62.5/125 um link qualification • Dual-fiber two-wavelength Autotest without swapping main/remote • TIA/ISO multimode loss-limit testing via DTX software

DTXMFM Characteristics / Specifications

PARAMETER	VALUE
Model	DTX-MFM
Manufacturer	Fluke Networks
Instrument Type	Multimode Fiber Module
Alias	DTX-MFM; DTX-MFM2 family published tables; Fluke Networks DTX-MFM
Platform	DTX CableAnalyzer series
Fiber type	Multimode 50 um and 62.5 um
Source type	850 nm LED and 1300 nm LED
Source wavelengths	850 +/-30 nm; 1300 +/-20 nm
Source spectral width FWHM	30-60 nm at 850 nm; 100-140 nm at 1300 nm
Source power	greater than or equal to -20 dBm at 850/1300 nm
Source power stability	+/-0.1 dB over 8 hours after warm-up
Length measurement range	0 to 5000 m of 62.5 or 50 um fiber
Length measurement accuracy	+/-1.5 m +/-2% of length
Propagation time accuracy	+/-15 ns +/-2% of propagation time
Power meter type	InGaAs detector
Power meter calibrated wavelengths	850 nm; 1310 nm; 1550 nm
Power measurement range 1310/15	0 to -60 dBm
Power measurement range 8	0 to -52 dBm
Power measurement uncertainty	+/-0.25 dB
Measurement linearity 1310/15	+/-0.1 dB class
Measurement linearity 8	+/-0.2 dB class
Display resolution	0.01 dB or dBm
Dynamic range communications/length	greater than or equal to 12 dB
Input meter connectors	removable SC standard; LC/ST/FC optional
Output source connector	fixed SC

PARAMETER	VALUE
Module dimensions	106 × 76 × 28 mm nominal
Module weight	0.14 kg nominal
Operating temperature	0 to 40 degC
Recalibration period	1 year
Power stability	+/-0.1 dB over 8 hours after warm-up

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 40 degC
Operating Temperature	0 to 40 degC
Recalibration period	1 year

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

specifications for the MFM/MFM2 multimode LED family document source power, length range, meter accuracy, and dynamic range used with DTX mainframes and LinkWare reporting.

Applications

- Multimode fiber loss/length/polarity certification with DTX
- Enterprise 50/125 and 62.5/125 um link qualification
- Dual-fiber two-wavelength Autotest without swapping main/remote
- TIA/ISO multimode loss-limit testing via DTX software

Key Features

- Multimode LED sources at 850 nm and 1300 nm
- InGaAs power meter calibrated at 850/1310/1550 nm
- Integrates with DTX CableAnalyzer and LinkWare
- Removable meter adapters SC standard; LC/ST/FC optional
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Length measurement accuracy	+/-1.5 m +/-2% of length
Propagation time accuracy	+/-15 ns +/-2% of propagation time
Power meter type	InGaAs detector
Power meter calibrated wavelengths	850 nm; 1310 nm; 1550 nm
Power measurement range 1310/1550	0 to -60 dBm
Power measurement range 850	0 to -52 dBm

PARAMETER	VALUE
Power measurement uncertainty	+/-0.25 dB
Measurement linearity 1310/1550	+/-0.1 dB class
Measurement linearity 850	+/-0.2 dB class
Display resolution	0.01 dB or dBm
Dynamic range communications/length	greater than or equal to 12 dB
Input meter connectors	removable SC standard; LC/ST/FC optional
Output source connector	fixed SC
Module dimensions	106 x 76 x 28 mm nominal
Module weight	0.14 kg nominal
Operating temperature	0 to 40 degC
Recalibration period	1 year

Set-reference guide 62.5/125: better than -20.00 dBm class

Set-reference guide 50/125: better than -24.50 dBm class

Notes

Numeric optical rows from Fluke Networks DTX Fiber Modules Extended Specifications for the MFM2 multimode LED family, which documents the DTX multimode module architecture succeeding/alongside DTX-MFM. Confirm whether the physical modules are MFM or MFM2 silkscreen and that VFL is present on the installed pair.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.