

**Aumictech**

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**Data Sheet**

August 13, 2026

FLUKE NETWORKS

## Fluke Networks DTX-SFM SingleMode Fiber Set

The Fluke Networks DTX-SFM Singlemode Fiber Set is an essential tool for certifying singlemode fiber optic cables. It includes modules that plug into the DTX CableAnalyzer, enabling fast and accurate loss, length, and polarity measurements. Ideal for network installers and technicians, this set ensures optimal performance and compliance with industry standards.



MODEL

**Fluke Networks  
DTX-SFM**

CALIBRATION

**Available on  
request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**DTX-SFM**

LISTING

<https://aumictechlabs.com/products/dtx-sfm-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

### This unit

The Fluke Networks DTX-SFM SingleMode Fiber Set equips the DTX CableAnalyzer Series with single-mode fiber optic testing and certification capabilities. This two-module set (main unit and smart remote) performs Tier 1 certification including optical loss, length, and polarity measurements to validate fiber link performance and installation quality. Technical Specifications Wavelengths: 1310 nm and 1550 nm laser sources Power Meter Range: 0 to -60 dBm (1310 nm, 1550 nm); 0 to -52 dBm (850 nm) Power Meter Wavelengths: 850 nm, 1300 nm, 1310 nm, 1550 nm Source Output Power:  $\geq -7$  dBm nominal Length Measurement Range: Up to 10,000 meters (9  $\mu$ m single-mode fiber) Visual Fault Locator: 650 nm laser, continuous and flashing modes, 2.5 mm universal connector adapter Autotest Duration: Approximately 12 seconds (two fibers, two wavelengths, length, and pass/fail determination) Dimensions: 4.2"  $\times$  3.0"  $\times$  1.1" (106 mm  $\times$  76 mm

× 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 Bi-directional testing of two fibers at two wavelengths without main/remote unit swapping Integrated Visual Fault Locator identifies breaks, splices, bends, and verifies continuity and polarity SC/SC adapters included; removable adapters available (LC, ST, FC) for power meter input Autotest function accelerates certification workflows Test results managed and reported via LinkWare PC software Typical Applications Single-mode fiber optic link certification and validation Installation quality verification Fiber fault location and continuity testing Optical loss and length measurement Compatibility & Integration Designed exclusively for the Fluke Networks DTX CableAnalyzer Series. Certifications: CE, CSA, EN 61010-1.

## Features & description

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From manufacturer datasheet

### Features

- Matched main and remote SM module set
- Dual-wavelength FP laser sources on one port
- Removable SC power-meter adapter; LC/ST/FC options
- Integrated Class II 650 nm VFL
- LinkWare / DTX workflow integration

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### Applications

- Single-mode fiber loss/length certification with DTX
- Dual-fiber SM testing at 1310 nm and 1550 nm
- Campus and outside-plant SM acceptance testing
- Visual fault location with integrated VFL

## DTXSFM Characteristics / Specifications

| PARAMETER                           | VALUE                                                      |
|-------------------------------------|------------------------------------------------------------|
| Model                               | DTX-SFM                                                    |
| Manufacturer                        | Fluke Networks                                             |
| Instrument Type                     | Single-mode Fiber Module Set                               |
| Alias                               | DTX-SFM; DTX-SFM2; Fluke Networks DTX SingleMode Fiber Set |
| Module count                        | set of two for main and smart remote                       |
| Source wavelengths                  | 1310 nm and 1550 nm FP lasers                              |
| Source wavelength tolerance class   | 1310 +/-20 nm; 1550 +/-30 nm                               |
| Source output connector             | fixed SC adapter                                           |
| Source power                        | greater than or equal to -7 dBm at 1310/1550 nm            |
| Source power stability              | +/-0.25 dB over 8 hours                                    |
| Power meter detector                | InGaAs                                                     |
| Power meter calibrated wavelengths  | 850, 1300/1310, 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                                                  |
| Length measurement                  | 0 to 10,000 m of 9 um single-mode fiber                    |
| Length accuracy                     | +/-1.5 m +/-2% of length                                   |
| Propagation time accuracy           | +/-15 ns +/-2% of propagation time                         |
| Dynamic range communications/length | greater than or equal to 22 dB                             |
| VFL wavelength                      | 650 nm nominal                                             |
| VFL output power                    | less than or equal to 1.0 mW                               |
| VFL modes                           | continuous and pulsed/flashing                             |
| VFL adapter                         | 2.5 mm universal                                           |
| Module dimensions class             | 4.2 × 3.0 x 1.1 in / 106 × 76 × 28 mm                      |

| PARAMETER             | VALUE                                                                                                                                                                                                                                                                                       |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating temperature | 0 to 40 degC                                                                                                                                                                                                                                                                                |
| Storage temperature   | -20 to 60 degC                                                                                                                                                                                                                                                                              |
| Recalibration period  | 1 year                                                                                                                                                                                                                                                                                      |
| Platform              | DTX CableAnalyzer series mainframes Notes Specs primarily from Fluke Networks DTX-SFM2 / DTX fiber module extended specifications, which document the SM set architecture used by DTX-SFM/DTX-SFM2. Confirm exact SFM vs SFM2 marking and included reference cords/adapters on the listing. |
| Power stability       | +/-0.25 dB over 8 hours                                                                                                                                                                                                                                                                     |

# General Specifications & Supplementary Characteristics

| PARAMETER             | VALUE                                                                                                                                                                                                                                                                                       |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage temperature   | 20 to 60 degC                                                                                                                                                                                                                                                                               |
| Operating temperature | 0 to 40 degC                                                                                                                                                                                                                                                                                |
| Operating Temperature | 0 to 40 degC                                                                                                                                                                                                                                                                                |
| Recalibration period  | 1 year                                                                                                                                                                                                                                                                                      |
| Platform              | DTX CableAnalyzer series mainframes Notes Specs primarily from Fluke Networks DTX-SFM2 / DTX fiber module extended specifications, which document the SM set architecture used by DTX-SFM/DTX-SFM2. Confirm exact SFM vs SFM2 marking and included reference cords/adapters on the listing. |

# 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.

Applications

- Single-mode fiber loss/length certification with DTX
- Dual-fiber SM testing at 1310 nm and 1550 nm
- Campus and outside-plant SM acceptance testing
- Visual fault location with integrated VFL

Key Features

- Matched main and remote SM module set
- Dual-wavelength FP laser sources on one port
- Removable SC power-meter adapter; LC/ST/FC options
- Integrated Class II 650 nm VFL
- LinkWare / DTX workflow integration

Technical Specifications

Technical Specifications

| PARAMETER                          | VALUE                                                      |
|------------------------------------|------------------------------------------------------------|
| Model                              | DTX-SFM                                                    |
| Manufacturer                       | Fluke Networks                                             |
| Instrument Type                    | Single-mode Fiber Module Set                               |
| Alias                              | DTX-SFM; DTX-SFM2; Fluke Networks DTX SingleMode Fiber Set |
| Module count                       | set of two for main and smart remote                       |
| Source wavelengths                 | 1310 nm and 1550 nm FP lasers                              |
| Source wavelength tolerance class  | 1310 +/-20 nm; 1550 +/-30 nm                               |
| Source output connector            | fixed SC adapter                                           |
| Source power                       | greater than or equal to -7 dBm at 1310/1550 nm            |
| Source power stability             | +/-0.25 dB over 8 hours                                    |
| Power meter detector               | InGaAs                                                     |
| Power meter calibrated wavelengths | 850, 1300/1310, 1550 nm                                    |
| Power measurement range 1310/1550  | 0 to -60 dBm                                               |
| Power measurement range 850        | 0 to -52 dBm                                               |
| Power measurement uncertainty      | +/-0.25 dB                                                 |
| Measurement linearity 1310/1550    | +/-0.1 dB                                                  |
| Length measurement                 | 0 to 10,000 m of 9 um single-mode fiber                    |
| Length accuracy                    | +/-1.5 m +/-2% of length                                   |
| Propagation time accuracy          | +/-15 ns +/-2% of propagation time                         |

| PARAMETER                           | VALUE                                 |
|-------------------------------------|---------------------------------------|
| Dynamic range communications/length | greater than or equal to 22 dB        |
| VFL wavelength                      | 650 nm nominal                        |
| VFL output power                    | less than or equal to 1.0 mW          |
| VFL modes                           | continuous and pulsed/flashing        |
| VFL adapter                         | 2.5 mm universal                      |
| Module dimensions class             | 4.2 x 3.0 x 1.1 in / 106 x 76 x 28 mm |
| Operating temperature               | 0 to 40 degC                          |
| Storage temperature                 | -20 to 60 degC                        |
| Recalibration period                | 1 year                                |
| Platform                            | DTX CableAnalyzer series mainframes   |

#### Notes

Specs primarily from Fluke Networks DTX-SFM2 / DTX fiber module extended specifications, which document the SM set architecture used by DTX-SFM/DTX-SFM2. Confirm exact SFM vs SFM2 marking and included reference cords/adapters on the listing.



### Available from Aumictech

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

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

#### Aumictech

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NIST-traceable calibration · SAM registered ·  
30-day returns  
NAICS 423690 · 811210 · 541380  
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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.