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Data Sheet

August 13, 2026

FLUKE

Fluke OFTM-5630 OptiFiber SM Fiber OTDR

The Fluke OFTM-5630 OptiFiber is a single-mode fiber Optic Time Domain Reflectometer (OTDR) designed for testing and troubleshooting single-mode fiber optic cables. It features a user-friendly interface and comprehensive analysis capabilities, making it suitable for a wide range of fiber optic testing applications.



MODEL

Fluke OFTM-5630

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

OFTM-5630

LISTING

<https://aumictechlabs.com/products/oftm-5630-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fluke OFTM-5630 OptiFiber is a single-mode fiber Optical Time Domain Reflectometer (OTDR) module engineered for precise testing, diagnostics, and certification of single-mode fiber optic links. Operating at 1310 nm $\pm$ 20 nm and 1550 nm $\pm$ 20 nm, this module integrates into the OptiFiber® Certifying OTDR mainframe (OF-500) to deliver field-proven event detection and attenuation measurement across distances up to 10 km. The OFTM-5630 pinpoints reflectance events, splices, bends, and connectors with distance accuracy of $\pm$ 2 m, making it essential for rapid fault isolation in production and maintenance workflows. Technical Specifications Fiber Type: Single-mode (9/125 μ m) Operating Wavelengths: 1310 nm $\pm$ 20 nm, 1550 nm $\pm$ 20 nm Maximum Distance Range: 10 km Distance Accuracy: $\pm$ 2 m Event Dead Zone: 1.5 m typical, 2 m maximum Attenuation Dead Zone: 10.5 m typical, 15 m maximum Dynamic Range: 1310 nm >11 dB, >12 dB; 1550 nm >9 dB, >10 dB Pulse Widths: 8 ns, 40 ns, 100 ns, 250 ns Power Measurement Range: 0 to

-60 dBm Connector Backreflection (Singlemode): <-50 dB Connector Type: SC/UPC (laser-hardened) Battery Type: Li-Ion, 8-hour runtime Operating Temperature: 0°C to 40°C Non-Operating Temperature: -20°C to 60°C Relative Humidity: Up to 95% RH (operating, without condensation) Weight: 4.5 lbs (1.9 kg) with mainframe and battery

Key Features

- EventMap™ analysis calculates loss and reflectance, identifying discrete events
- Auto OTDR function automatically selects optimal settings
- SmartLoop™ Technology enables automated two-fiber testing in single pass
- SC/UPC laser-hardened connector prevents core damage from high-power signals

Typical Applications

- Single-mode fiber link certification and acceptance testing
- Field troubleshooting and event localization
- Splice loss and connector reflectance measurement
- Network maintenance and network acceptance procedures

Compatibility & Integration

Operates with the OptiFiber® Certifying OTDR Mainframe (OF-500). Connects via USB and RS-232 for data transfer. Compatible with LinkWare™ PC software for professional test reporting. Supports FiberInspector™ probes, launch cables, power meters, and mandrels.

Features & description

From manufacturer datasheet

Features

- Dual-wavelength SM OTDR at 1310/1550 nm
- Laser-hardened SC/UPC OTDR port
- Event deadzone suitable for closely spaced connectors
- Shared SM OTDR specification with OFTM-5631 and OFTM-5632
- Modular OptiFiber platform form factor

Applications

- Single-mode OTDR fault location on campus and premise SM links
- Event mapping on single-mode fiber to 10 km
- OptiFiber modular SM OTDR troubleshooting
- Companion PM or loss/length configurations via 5631/5632

OFTM5630 Characteristics / Specifications

PARAMETER	VALUE
Model	OFTM-5630
Manufacturer	Fluke Networks
Instrument Type	Single-mode OTDR Module
Alias	OFTM-5630; OptiFiber SM OTDR; Fluke OFTM-5630
Wavelengths	1310 +/-20 nm and 1550 +/-20 nm
Fiber under test	Single-mode
Connector	SC/UPC laser-hardened
Event deadzone typical	1.5 m
Event deadzone max	2 m
Attenuation deadzone typical	10.5 m
Attenuation deadzone max	15 m
Max distance range	10 km
Distance accuracy	+/-2 m for single reflective events excluding IOR uncertainty
Dynamic range 1310 nm	greater than 12 dB
Dynamic range 1550 nm	greater than 10 dB
Platform	OptiFiber OF-500 class mainframe
Deadzone basis	Telcordia OTDR; connector backreflection <=50 dB
Dynamic range basis	Effective dynamic range per Telcordia
Laser classification	Class 1 CDRH class product family Notes Specs from Fluke Networks OptiFiber OFTM-5630/5631/5632 literature. OFTM-5630 is OTDR-only; confirm mainframe, launch cable, and whether PM/loss options are present.
Attenuation	deadzone typical: 10.5 m

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.

performance with OFTM-5631/5632 and mounts on the OptiFiber mainframe platform.

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Related OFTM-5631: OTDR plus power meter

Related OFTM-5632: OTDR plus PM plus loss/length

OFTM-5632 length capability: 10 km of 9 um SM

OFTM-5632 source output power nominal: -10 dBm

OFTM-5631/5632 PM detector: InGaAs

OFTM-5631/5632 PM calibrated wavelengths: 850, 1310, 1550 nm

OFTM-5631/5632 PM range 1310/1550: 0 to -60 dBm
OFTM-5631/5632 PM range 850: 0 to -52 dBm

Specifications

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Notes
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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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.