

**Aumictech**

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Data Sheet

August 14, 2026

EXFO

Exfo FTB-5523 PMD Analyzer Module

The Exfo FTB-5523 is a Polarization Mode Dispersion (PMD) analyzer module designed for the FTB-200, FTB-400, and FTB-500 platforms. It provides fast and accurate PMD characterization, essential for ensuring the performance of high-speed optical networks. This module enables network operators and service providers to quickly identify and address PMD-related issues, optimizing network reliability and capacity.



MODEL

Exfo FTB-5523

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FTB-5523

LISTING

<https://aumictechlabs.com/products/ftb-5523-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Exfo FTB-5523 PMD Analyzer Module characterizes Polarization Mode Dispersion in optical fiber networks with interferometric measurement technology. Designed for integration into EXFO's FTB-200, FTB-400, and FTB-500 Universal Test Systems, this module delivers rapid PMD assessment in field and laboratory environments. The broad-spectrum polarized LED source and short coherence time architecture provide inherent vibration immunity - critical for testing installed cable spans. Second-order PMD calculations enable precise fiber characterization and transmission quality control in high-bandwidth systems. Technical Specifications Wavelength: 1310/1550 nm Analysis Range (Standard): 0.052 ps to 35 ps Analysis Range (Extended): 0.052 ps to 200 ps Measurement Method: Interferometric, broad-spectrum polarized LED source Measurement Time: Approximately 15 seconds per test cycle Dynamic Range: 40 dB standard;

exceeds 55 dB when paired with EXFO M2100 Broadband Light Source Second-Order PMD: Delay and coefficient calculations provided Key Features Auto-range function automatically scans measurement ranges for optimal PMD range selection Vibration immunity from interferometric architecture - suitable for field deployment on installed cables Extended dynamic range capability supports fiber spans exceeding 250 km Automatic file naming and statistical table management ToolBox Software Suite integration with graphical user interface FastReporter2 compatibility for on-site data analysis and report generation Typical Applications High-speed optical network PMD characterization and impairment identification Installed fiber cable assessment and mitigation planning Network operator performance monitoring and service provider diagnostics Transmission quality verification in bandwidth-intensive systems Compatibility & Integration Functions as a plug-in module for EXFO FTB-200, FTB-400, and FTB-500 Universal Test Systems. Operates via ToolBox Software Suite or ToolBox 5 platform.

FTB5523 Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	EXFO FTB-5523 PMD Analyzer
Host Platform	FTB-400 portable platform class
Measurement Principle	Michelson interferometer GINTY
Standard Wavelengths	1310/1550 nm
PMD Range Standard	0.05 to 35 ps
PMD Range Extended Option	0.05 to 200 ps
PMD Analysis Range Class	0.1 to 115 ps with calculated below 0.1 ps and estimated above 115 ps
Dynamic Range Standard	32 dB
Dynamic Range With M21	40 dB
Average Measuring Time	15 s
Source Type Class	broad-spectrum polarized LED
Second Order PMD	delay and coefficient reported
Standards Reference	TIA FOTP-124A generalized interferometric
EDFA Throughput Testing	yes via autocorrelation subtraction
Form Factor	FTB modular plug-in
Operating Temperature Class	portable FTB ambient
Series Family	EXFO FTB-5500 PMD analyzers
Related High DR Source	EXFO M-2100 Broadband Light Source
Fiber Span Class With High DR	longer than 250 km class with greater than 50 dB option path
Specification Ambient Class	laboratory or field ambient per certificate
Calibration Traceability Class	per OEM calibration certificate
Module Slot Class	single FTB module
Remote Control Class	via FTB host
Documentation	PMD analyzer datasheet and user guide
Operating temperature	Class: portable FTB ambient

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: portable FTB ambient
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Operating Temperature Class	portable FTB ambient
Series Family	EXFO FTB-5500 PMD analyzers
Related High DR Source	EXFO M-2100 Broadband Light Source
Fiber Span Class With High DR	longer than 250 km class with greater than 50 dB option path
Specification Ambient Class	laboratory or field ambient per certificate
Calibration Traceability Class	per OEM calibration certificate
Module Slot Class	single FTB module
Remote Control Class	via FTB host
Documentation	PMD analyzer datasheet and user guide Notes Numeric rows from EXFO FTB-5523 PMD Analyzer calibration/product specification summaries (Custom-Cal model info and Testwall product description aligned to OEM datasheet claims). Confirm standard versus extended-range option and M-2100 pairing on the module label.

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	
Specifications	
PARAMETER	VALUE
Instrument Family	EXFO FTB-5523 PMD Analyzer
Host Platform	FTB-400 portable platform class
Measurement Principle	Michelson interferometer GINTY
Standard Wavelengths	1310/1550 nm
PMD Range Standard	0.05 to 35 ps
PMD Range Extended Option	0.05 to 200 ps
PMD Analysis Range Class	0.1 to 115 ps with calculated below 0.1 ps and estimated above 115 ps
Dynamic Range Standard	32 dB
Dynamic Range With M2100	40 dB
Average Measuring Time	15 s
Source Type Class	broad-spectrum polarized LED
Second Order PMD	delay and coefficient reported
Standards Reference	TIA FOTP-124A generalized interferometric
EDFA Throughput Testing	yes via autocorrelation subtraction
Form Factor	FTB modular plug-in
Operating Temperature Class	portable FTB ambient
Series Family	EXFO FTB-5500 PMD analyzers
Related High DR Source	EXFO M-2100 Broadband Light Source
Fiber Span Class With High DR	longer than 250 km class with greater than 50 dB option path
Specification Ambient Class	laboratory or field ambient per certificate
Calibration Traceability Class	per OEM calibration certificate
Module Slot Class	single FTB module
Remote Control Class	via FTB host
Documentation	PMD analyzer datasheet and user guide
Notes	
Numeric rows from EXFO FTB-5523 PMD Analyzer calibration/product specification summaries (Custom-Cal model	

info and Testwall product description aligned to OEM datasheet claims). Confirm standard versus extended-range option and M-2100 pairing on the module label.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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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.