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Data Sheet

August 14, 2026

EXFO

Exfo FLS-5834A CD/PMD Analyzer Source

Exfo FLS-5834A CD/PMD Analyzer Source, High-performance CD/PMD analyzer light source designed for advanced chromatic and polarization mode dispersion testing in optical networks. Supports long-haul system qualification with precise wavelength stability and output power. Ideal for R&D labs and carrier-grade infrastructure validation where dispersion measurement accuracy is critical.



MODEL

Exfo FLS-5834A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FLS-5834A

LISTING

<https://aumictechlabs.com/products/fls-5834a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO FLS-5834A is a modulated, polarized, high-power Super LED source engineered for chromatic dispersion (CD) and polarization mode dispersion (PMD) testing in optical networks. Operating at 100 MHz modulation frequency, it delivers high modulation capability for phase-shift based CD measurements through amplified spans, including EDFAs. The source provides high degree of polarization required for PMD analysis and functions as a broadband source for DWDM channel and component testing. Designed to integrate with the EXFO FTB-5800 CD Analyzer, it can also combine with the FTB-5500B PMD Analyzer for comprehensive dispersion characterization. Power stability remains within 0.075 dB over 15 minutes, ensuring measurement repeatability in field deployments. Technical Specifications Light Source Type: Modulated, polarized, high-power Super LED (SLED) Modulation Frequency: 100 MHz typical Power Stability

(15 min): -12.5 dBm/nm Wavelength and Output Power C band: 1550 ± 10 nm center wavelength, 4 dBm output L band: 1607.5 ± 17.5 nm center wavelength, 4 dBm output Optical Interface Supports EXFO Universal Interface (EUI) connector adapters including UPC and APC versions: DIN 47256, FC narrow key, SC, E-2000, and ST/HMS-10 (model-dependent). Electrical Fuse: IEC 5 mm $\times$ 20 mm, fast-blow, 250 V, 2 A Voltage Tolerance: $\pm 10\%$ nominal Physical Dimensions: 117 mm H $\times$ 222 mm W $\times$ 333 mm D Weight: 3.2 kg Operating Temperature: 0 °C to 40 °C Storage Temperature: -20 °C to 50 °C Humidity (non-condensing): 0% to 90% Key Features Broadband SLED architecture for CD and PMD analysis through gain-flattened amplifiers High modulation depth enabling accurate phase-shift detection in dispersion measurements Dual-band operation across C and L telecommunications windows Stable output power for field-based testing accuracy Typical Applications CD measurement in installed fiber spans and amplified systems PMD characterization and contributor analysis DWDM channel and optical component testing Field verification of transmission line performance Compatibility & Integration Requires EXFO ToolBox 6.28 or later. Integrates with FTB-5800 Chromatic Dispersion Analyzer and FTB-5500B PMD Analyzer. Class 1M LED product.

Features & description

From manufacturer datasheet

Polarization: polarized for PMD measurement

Wavelength Configuration Class: 1550 nm and 1625 nm Operating Temperature: 0 C to 40 C Storage Temperature: minus 20 C to 50 C Relative Humidity: 0 percent to 90 percent non-condensing Size HxWxD: 117 mm x 222 mm x 333 mm Weight Without Transceivers: 3.2 kg Laser Safety Class: Class 1M LED product IEC 60825-1:2001 Form Factor: benchtop analyzer source Intended Analyzers Class: FTB-5800 CD and FTB-5500B PMD Use Through Amplifiers: yes EDFA-compatible CD/PMD testing class Notes From EXFO FLS-5834A CD/PMD Analyzer Source datasheet SPFLS5800.3AN; optical values marked typical. Pair with the matching analyzer module datasheet for end-to-end CD/PMD system uncertainty.

FLS5834A Characteristics / Specifications

PARAMETER	VALUE
Emitter Type	high-power SLED
Center Wavelength Typical	1580 plus or minus 20 nm
Output Power Typical	7 dBm
Peak Spectral Density Typical	greater than minus 12.5 dBm/nm
Power Stability 15 Minutes Typical	less than 0.075 dB
Modulation Frequency Typical	100 MHz
Modulation Purpose	chromatic dispersion phase-shift method
Polarization	polarized for PMD measurement
Wavelength Configuration Class	1550 nm and 1625 nm
Operating Temperature	0 C to 40 C
Storage Temperature	minus 20 C to 50 C
Relative Humidity	0 percent to 90 percent non-condensing
Size HxWxD	117 mm x 222 mm x 333 mm
Weight Without Transceivers	3.2 kg
Laser Safety Class	Class 1M LED product IEC 60825-1:2001
Form Factor	benchtop analyzer source
Intended Analyzers Class	FTB-5800 CD and FTB-5500B PMD
Use Through Amplifiers	yes EDFA-compatible CD/PMD testing class
Power stability	15 Minutes Typical: less than 0.075 dB
Humidity	0 percent to 90 percent non-condensing

FLS5834A Specifications

PARAMETER	VALUE
Key Features	High-power SLED broadband emission
High degree of polarization for PMD	Companion source for FTB-5500B and FTB-5800
Technical Specifications	Emitter Type: high-power SLED

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 20 C to 50 C
Operating temperature	0 C to 40 C
Operating Temperature	0 C to 40 C
Humidity	0 percent to 90 percent non-condensing
Relative Humidity	0 percent to 90 percent non-condensing
Size HxWxD	117 mm x 222 mm x 333 mm
Weight Without Transceivers	3.2 kg
Laser Safety Class	Class 1M LED product IEC 60825-1:2001
Form Factor	benchtop analyzer source
Intended Analyzers Class	FTB-5800 CD and FTB-5500B PMD
Use Through Amplifiers	yes EDFA-compatible CD/PMD testing class Notes From EXFO FLS-5834A CD/PMD Analyzer Source datasheet SPFLS5800.3AN; optical values marked typical. Pair with the matching analyzer module datasheet for end-to-end CD/PMD system uncertainty.

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	
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Laser Safety

Laser Safety Class: Class 1M LED product IEC 60825-1:2001 Form Factor: benchtop analyzer source
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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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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.