

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

EXFO

Exfo FLS-5834 CD/PMD Analyzer Source

The EXFO FLS-5834 is a high-power super LED source engineered for chromatic dispersion (CD) and polarization mode dispersion (PMD) characterization in optical fiber networks. It delivers modulated, polarized broadband light across the C and L bands, enabling precise measurement of signal integrity parameters critical to high-speed transmission systems. The instrument operates autonomously in the field via built-in battery or connects to a PC through RS232 interface, making it essential for network deployment, maintenance, and fault diagnosis workflows. Optical Connectors: EUI-compatible adapters including UPC/FC, UPC/SC, UPC/LC, APC/FC, APC/SC, APC/LC, UPC/ST, UPC/E-2000, APC/E-2000, UPC/DIN 47256, APC/DIN 47256, and UPC/HMS-10/AG Power: AC adapter with built-in battery pack; 250 V fuses (IEC, 5 mm × 20 mm, fast-acting, low breaking capacity) Aumictech offers NIST-traceable calibration



MODEL

Exfo FLS-5834

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FLS-5834

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO FLS-5834 is a high-power super LED source engineered for chromatic dispersion (CD) and polarization mode dispersion (PMD) characterization in optical fiber networks. It delivers modulated, polarized broadband light across the C and L bands, enabling precise measurement of signal integrity parameters critical to high-speed transmission systems. The instrument operates autonomously in the field via built-in battery or connects to a PC through RS232 interface, making

it essential for network deployment, maintenance, and fault diagnosis workflows. Technical Specifications Optical Output Source Type: High-Power Super LED (SLED) C Band: 1550 ± 10 nm center wavelength, 4 dBm output power L Band: 1607.5 ± 17.5 nm center wavelength, 4 dBm output power Peak Spectral Density: > -12.5 dBm/nm (both bands) Power Stability (15 min): < 0.075 dB (both bands) Modulation: 100 MHz (C Band), 101 MHz (L Band) Physical Dimensions: 11.7 cm H $\times$ 22.2 cm W $\times$ 33.3 cm D Weight: 3.2 kg Operating Temperature: 0 °C to 40 °C Storage Temperature: -20 °C to 50 °C Humidity: 0 % to 90 % (non-condensing) Interfaces Optical Connectors: EUI-compatible adapters including UPC/FC, UPC/SC, UPC/LC, APC/FC, APC/SC, APC/LC, UPC/ST, UPC/E-2000, APC/E-2000, UPC/DIN 47256, APC/DIN 47256, and UPC/HMS-10/AG Data Interface: RS232 PC cable Power: AC adapter with built-in battery pack; 250 V fuses (IEC, 5 mm $\times$ 20 mm, fast-acting, low breaking capacity) Key Features Dual-band broadband source for comprehensive CD and PMD testing Modulated output optimized for dispersion analysis Polarized emission for PMD measurement protocols Field-portable battery operation and AC mains capability Multiple connector adapter options for installation flexibility Typical Applications Chromatic dispersion characterization in installed fiber Polarization mode dispersion assessment Network performance validation during deployment Field troubleshooting of transmission impairments Compatibility & Integration Designed to integrate with EXFO's FTB-5800 Chromatic Dispersion Analyzer and FTB-5500B PMD Analyzer platforms.

FLS5834 Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	EXFO FLS-5834 optical source
Source Type	laser multi wavelength
Wavelength Count Class	multi wavelength 1310/1550 class and variants
Output Power Class	calibrated laser output class
Power Stability Class	high stability class
Modulation Tones Class	270 Hz 1 kHz 2 kHz class on FLS family
Fiber Type	singlemode
Connector Interface	EXFO UI adapters class
Form Factor	handheld or benchtop FLS class
Battery Or AC	configuration dependent
Display	wavelength and status class
Remote Control Class	configuration dependent
Series Family	EXFO FLS-5800
Operating Temperature Class	field/lab
Laser Safety Class	per product label
Auto Wavelength Recognition Pairing	yes with EXFO PMs class
Manufacturer	per instrument faceplate branding
Documentation Basis	OEM datasheet or operating manual family
Specification Ambient Class	23 C class unless otherwise stated
Calibration Traceability Class	standards laboratory traceable class
Firmware Or Hardware Revision	confirm on unit labels
Power stability	Class: high stability class
Operating temperature	Class: field/lab

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: field/lab
Operating Temperature	Class: field/lab
Operating Temperature Class	field/lab
Laser Safety Class	per product label
Auto Wavelength Recognition Pairing	yes with EXFO PMs class
Manufacturer	per instrument faceplate branding
Documentation Basis	OEM datasheet or operating manual family
Specification Ambient Class	23 C class unless otherwise stated
Calibration Traceability Class	standards laboratory traceable class
Firmware Or Hardware Revision	confirm on unit labels

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 FLS-5834 optical source
Source Type	laser multi wavelength
Wavelength Count Class	multi wavelength 1310/1550 class and variants
Output Power Class	calibrated laser output class
Power Stability Class	high stability class
Modulation Tones Class	270 Hz 1 kHz 2 kHz class on FLS family
Fiber Type	singlemode
Connector Interface	EXFO UI adapters class
Form Factor	handheld or benchtop FLS class
Battery Or AC	configuration dependent
Display	wavelength and status class
Remote Control Class	configuration dependent
Series Family	EXFO FLS-5800
Operating Temperature Class	field/lab
Laser Safety Class	per product label
Auto Wavelength Recognition Pairing	yes with EXFO PMs class
Manufacturer	per instrument faceplate branding
Documentation Basis	OEM datasheet or operating manual family
Specification Ambient Class	23 C class unless otherwise stated
Calibration Traceability Class	standards laboratory traceable class
Firmware Or Hardware Revision	confirm on unit labels
Option Codes: confirm on faceplate and configuration menu	
Notes	
Identity and capability rows from EXFO FLS-5800 / FLS-5834 family literature. Confirm exact wavelength set and output power on the faceplate and calibration certificate.	

Laser Safety

Laser Safety Class: per product label Auto Wavelength Recognition Pairing: yes with EXFO PMs class
Manufacturer: per instrument faceplate branding Documentation Basis: OEM datasheet or operating manual family Specification Ambient Class: 23 C class unless otherwise stated Calibration Traceability Class: standards laboratory traceable class Firmware Or Hardware Revision: confirm on unit labels Option Codes: co

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>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

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