

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

EXFO

Exfo FLS-235C1-50

The EXFO FLS-235C1-50 is a handheld fiber optic light source designed for performing first-tier fiber optic cable testing. It provides stable and accurate light source for single-mode fiber testing at 1310 nm and 1550 nm wavelengths. This light source is ideal for continuity testing and fiber identification. Rugged and reliable, this tool ensures accurate measurements and efficient troubleshooting in the field.



MODEL Exfo FLS-235C1-50	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU FLS-235C1-50	LISTING https://aumictechlabs.com/products/fls-235c1-50-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO FLS-235C1-50 is a handheld fiber optic light source designed for first-tier fiber optic cable testing and field troubleshooting. It delivers a stable optical signal across two standard telecom wavelengths, enabling continuity testing, fiber identification, and single-mode fiber analysis. The instrument combines portability with field-proven durability, making it suitable for technicians who require reliable performance in demanding environments. Technical Specifications Wavelengths: 1310 nm and 1550 nm Fiber Type: Single-mode fiber Form Factor: Handheld, portable design Operating Temperature: 0°C to 40°C (32°F to 104°F) Storage Temperature: -40°C to 70°C (-40°F to 158°F) Key Features Dual-wavelength emission (1310 nm and 1550 nm) for comprehensive SM fiber testing Stable optical signal output with field-grade reliability Compact, rugged construction engineered for harsh field conditions Handheld operation

for on-site deployment Fully enclosed optical head design for enhanced durability Typical Applications Initial fiber optic cable installation verification Single-mode fiber continuity testing Fiber pair identification and tracing Field troubleshooting of optical network segments Compatibility & Integration Connector options and interchangeable adapters are available to support standard fiber termination types used in telecom infrastructure. The FLS-235C1-50 integrates into field test kits for optical network maintenance and commissioning workflows.

FLS235C1 Characteristics / Specifications

PARAMETER	VALUE
Source Code Family	235BL / FLS-235C class
Wavelength 13	1310 nm plus or minus 20 nm
Wavelength 14	1490 nm plus or minus 10 nm
Wavelength 15	1550 nm plus or minus 20 nm
Spectral Width	less than or equal to 5 nm
Output Power 13	greater than or equal to 1 dBm
Output Power 14	greater than or equal to minus 4.5 dBm
Output Power 15	greater than or equal to minus 3 dBm
Power Stability 8 h	plus or minus 0.1 dB
Tone Generation	270 Hz 1 kHz 2 kHz
Automatic Wavelength Recognition	Yes
Fiber Type	9/125 um singlemode
Battery Life Auto Mode Typical	120 hours
Warranty Source Section	1 year
Recommended Calibration Interval	3 years
Connector Adapter Code Class	FOA-50 / FOA-54 SC family per ordering
Spec Ambient	23 C plus or minus 1 C FC connector
Size Class Handheld	185 mm x 100 mm x 55 mm class FLS-300 envelope
Weight Class	about 0.4 kg class
Operating Temperature Class	minus 10 C to 50 C
Storage Temperature Class	minus 40 C to 70 C
Relative Humidity Class	0 percent to 95 percent non-condensing
Laser Safety	Class 1
Power stability	8 h: plus or minus 0.1 dB
Storage temperature	Class: minus 40 C to 70 C

PARAMETER	VALUE
Operating temperature	Class: minus 10 C to 50 C
Humidity	Class: 0 percent to 95 percent non-condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: minus 40 C to 70 C
Operating temperature	Class: minus 10 C to 50 C
Operating Temperature	Class: minus 10 C to 50 C
Humidity	Class: 0 percent to 95 percent non-condensing
Operating Temperature Class	minus 10 C to 50 C
Storage Temperature Class	minus 40 C to 70 C
Relative Humidity Class	0 percent to 95 percent non-condensing
Laser Safety	Class 1 Notes From EXFO FOT-300/FLS-300 235BL source column (FOT300.10EN / FLS-300 family). Slug FLS-235C1-50 is the triple-wavelength C-band PON source with FOA-50-class adapter; confirm exact faceplate marking and adapter.

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
Source Code Family	235BL / FLS-235C class
Wavelength 1310	1310 nm plus or minus 20 nm
Wavelength 1490	1490 nm plus or minus 10 nm
Wavelength 1550	1550 nm plus or minus 20 nm
Spectral Width	less than or equal to 5 nm
Output Power 1310	greater than or equal to 1 dBm
Output Power 1490	greater than or equal to minus 4.5 dBm
Output Power 1550	greater than or equal to minus 3 dBm
Power Stability 8 h	plus or minus 0.1 dB
Tone Generation	270 Hz 1 kHz 2 kHz
Automatic Wavelength Recognition	Yes
Fiber Type	9/125 um singlemode
Battery Life Auto Mode Typical	120 hours
Warranty Source Section: 1 year	
Specifications	
PARAMETER	VALUE
Recommended Calibration Interval	3 years
Connector Adapter Code Class	FOA-50 / FOA-54 SC family per ordering
Spec Ambient	23 C plus or minus 1 C FC connector
Size Class Handheld	185 mm x 100 mm x 55 mm class FLS-300 envelope
Weight Class	about 0.4 kg class
Operating Temperature Class	minus 10 C to 50 C
Storage Temperature Class	minus 40 C to 70 C
Relative Humidity Class	0 percent to 95 percent non-condensing
Laser Safety	Class 1

Notes

From EXFO FOT-300/FLS-300 235BL source column (FOT300.10EN / FLS-300 family). Slug FLS-235C1-50 is the triple-wavelength C-band PON source with FOA-50-class adapter; confirm exact faceplate marking and adapter.

Laser Safety

Laser Safety: Class 1 Notes From EXFO FOT-300/FLS-300 235BL source column (FOT300.10EN / FLS-300 family). Slug FLS-235C1-50 is the triple-wavelength C-band PON source with FOA-50-class adapter; confirm exact faceplate marking and adapter.

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.