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Data Sheet

August 13, 2026

EXFO

Exfo FLS-110 Optical Source

Power sources: NiCd batteries; 9 V alkaline backup; AC adapter/charger Battery life NiCd plus 9 V: 14 hours typical Connector examples: FC/UPC; SC/UPC; FC/APC narrow key; EUI options Specs from EXFO FLS-110 discontinued polarised source datasheet (SPFLS110). Confirm faceplate code (-02P vs -03P) and connector interface on the unit. Battery life NiCd plus 9 V: 14 hours typical Connector examples: FC/UPC; SC/UPC; FC/APC narrow key; EUI options Specs from EXFO FLS-110 discontinued polarised source datasheet (SPFLS110). Confirm faceplate code (-02P vs -03P) and connector interface on the unit.



MODEL

Exfo FLS-110

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FLS-110

LISTING

<https://aumictechlabs.com/products/fls-110-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Exfo FLS-110 is a handheld polarized light source for PMD measurements and fiber identification in field environments. It delivers both continuous wave and 2 kHz modulated output across O band (1310 nm) and C band (1550 nm) wavelengths, with typical output power of -19 dBm (O band SLED) to -13 dBm (C band LED). The unit features a waterproof casing, shock-absorbing holster, and flexible power management via rechargeable NiCd battery, 9 V alkaline backup, and AC adapter. Typical battery life reaches 14 hours combined operation. Multiple connector options support FC, ST, SC, and E-2000 configurations in both UPC and APC polishes. Operating temperature range spans -10 °C to 40 °C with storage capability to -20 °C to 60 °C. The instrument is Class 1 LED certified and complies with 21 CFR 1040.10 and IEC 60825-

1:2007. Technical Specifications Dimensions: 220 mm × 110 mm × 50 mm (8 ¾ in × 4 ½ in × 2 in) Weight: 0.75 kg unit (1 ½ lb); 2.5 kg shipping (5 lb) Operating Temperature: -10 °C to 40 °C (14 °F to 122 °F) Storage Temperature: -20 °C to 60 °C (-4 °F to 140 °F) Modulation Modes: Continuous Wave (CW) and 2 kHz Emitter Type: LED or SLED (model dependent) Nominal Wavelengths: O band (~1310 nm) and C band (~1550 nm) Spectral Width: O band ≥35 nm; C band ≥37 nm (LED broadband ~65 nm FWHM) Output Power (at 23 °C ± 2 °C, 9/125 μm fiber): -19 dBm (O band SLED) to -13 dBm (C band LED) Polarization: Maintaining Output Battery Life: Typical 14 hours (NiCd + 9 V combination) Key Features Polarization maintaining output for accurate PMD analysis Dual power sources: rechargeable NiCd battery and 9 V alkaline backup AC adapter/charger for extended laboratory operation Low-battery indicator and auto-off function Complete status indicators for operational monitoring Multiple fiber connector options: FC, ST, SC, E-2000 (UPC/APC) Comprehensive carrying case, protective holster, and shoulder strap included Typical Applications Polarization Mode Dispersion (PMD) measurements Fiber identification and network troubleshooting Field deployment in temperature ranges -10 °C to 40 °C Compatibility & Integration Designed for integration with PMD analyzers such as the EXFO FTB-5500B. Available model variants (FLS-110-02P, FLS-110-03P) specify wavelength and connector configuration to match specific test requirements.

Features & description

From manufacturer datasheet

Features

- Wide-spectrum polarized LED/SLED for PMD
- Companion to FTB-5500 PMD Analyzer
- CW and 2 kHz modulation modes
- High and low power levels to extend battery life
- Waterproof case with shock-absorbing holster
- Auto-off and low-battery status indicators
- Class 1 LED product (21 CFR 1040.10 / IEC 60825-1)
- EXFO Universal Interface connector options

Applications

- Field PMD measurement with EXFO FTB-5500
- Polarized wide-spectrum launch for PMD analyzers
- Fiber identification using 2 kHz tone
- Field installation and maintenance of SM fiber links

FLS110 Characteristics / Specifications

PARAMETER	VALUE
Model	FLS-110
Manufacturer	EXFO
Instrument Type	Handheld Optical Polarized Source
Alias	FLS-110; FLS110 Optical Polarized Source
Variant 02P band	O band
Variant 02P emitter	LED
Variant 02P spectral width	≥35 nm
Variant 03P band	C band
Variant 03P emitter	SLED
Variant 03P spectral width	≥37 nm
Output modes	CW; 2 kHz modulation
Power levels	high and low selectable
SizeHxWxD	220 mm x 110 mm x 50 mm
Unit weight	0.75 kg
Shipping weight	2.5 kg
Operating temperature	−10 °C to 40 °C
Storage temperature	−20 °C to 60 °C
Power sources	NiCd batteries; 9 V alkaline backup; AC adapter/charger
Battery life NiCd plus 9 V	14 hours typical
Specification temperature	23 °C ± 2 °C
Laser safety class	Class 1 LED product
Connector examples	FC/UPC; SC/UPC; FC/APC narrow key; EUI options
Ordering example	FLS-110-02P-EI-EUI-89
Form	handheld field source Notes Specs from EXFO FLS-110 discontinued polarised source datasheet (SPFLS110). Confirm faceplate code (−02P vs −03P) and connector interface on the unit.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	–20 °C to 60 °C
Operating temperature	–10 °C to 40 °C
Operating Temperature	–10 °C to 40 °C
Power sources	NiCd batteries; 9 V alkaline backup; AC adapter/charger
Battery life NiCd plus 9 V	14 hours typical
Specification temperature	23 °C ± 2 °C
Laser safety class	Class 1 LED product
Connector examples	FC/UPC; SC/UPC; FC/APC narrow key; EUI options
Ordering example	FLS-110-02P-EI-EUI-89
Form	handheld field source Notes Specs from EXFO FLS-110 discontinued polarised source datasheet (SPFLS110). Confirm faceplate code (–02P vs –03P) and connector interface on the unit.

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
Model	FLS-110
Manufacturer	EXFO
Instrument Type	Handheld Optical Polarized Source
Alias	FLS-110; FLS110 Optical Polarized Source
Variant 02P band	0 band
Variant 02P emitter	LED
Variant 02P spectral width	≥35 nm
Variant 02P typical output power 9/125 μm: -19 dBm	
Specifications	
PARAMETER	VALUE
Variant 03P band	C band
Variant 03P emitter	SLED
Variant 03P spectral width	≥37 nm
Variant 03P typical output power 9/125 μm: -13 dBm	
Specifications	
PARAMETER	VALUE
Output modes	CW; 2 kHz modulation
Power levels	high and low selectable
SizeHxWxD	220 mm x 110 mm x 50 mm
Unit weight	0.75 kg
Shipping weight	2.5 kg
Operating temperature	-10 °C to 40 °C
Storage temperature	-20 °C to 60 °C
Power sources	NiCd batteries; 9 V alkaline backup; AC adapter/charger
Battery life NiCd plus 9 V	14 hours typical

PARAMETER	VALUE
Specification temperature	23 °C ± 2 °C
Laser safety class	Class 1 LED product
Connector examples	FC/UPC; SC/UPC; FC/APC narrow key; EUI options

Ordering example: FLS-110-02P-EI-EUI-89
Form: handheld field source

Notes
Specs from EXFO FLS-110 discontinued polarised source datasheet (SPFLS110). Confirm faceplate code (-02P vs -03P) and connector interface on the unit.

Laser Safety

Laser safety class: Class 1 LED product Connector examples: FC/UPC; SC/UPC; FC/APC narrow key; EUI options Ordering example: FLS-110-02P-EI-EUI-89 Form: handheld field source Notes Specs from EXFO FLS-110 discontinued polarised source datasheet (SPFLS110). Confirm faceplate code (-02P vs -03P) and connector interface on the unit.

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 ·
30-day returns
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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.