

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

EXFO

EXFO Polarized Broadband Source 1550nm FLS-110-03P-89

The EXFO Polarized Broadband Source 1550nm FLS-110-03P-89 is a handheld LED-based polarized light source engineered for optical testing in field and laboratory environments. Designed specifically for Polarization Mode Dispersion (PMD) measurements and polarization-sensitive applications, this source delivers polarization-maintaining output across a broad C-band spectrum with selectable modulation modes. Its compact, rugged construction and extended battery life make it ideal for technicians performing fiber characterization and diagnostic work. Compatibility & Integration Direct integration with the EXFO FTB-5500B PMD Analyzer for comprehensive polarization analysis. Aumictech offers NIST-traceable calibration and repair for the Exfo FLS-110-03P-89. Calibration covers output power at specified wavelengths, wavelength accuracy, 15-minute output stability, and modulation frequency accuracy.



MODEL

Exfo FLS-110-03P-89

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FLS-110-03P-89

LISTING

<https://aumictechlabs.com/products/fls-110-03p-89-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO Polarized Broadband Source 1550nm FLS-110-03P-89 is a handheld LED-based polarized light source engineered for optical testing in field and laboratory environments.

Designed specifically for Polarization Mode Dispersion (PMD) measurements and polarization-sensitive applications, this source delivers polarization-maintaining output across a broad C-band spectrum with selectable modulation modes. Its compact, rugged construction and extended battery life make it ideal for technicians performing fiber characterization and diagnostic work.

Technical Specifications

Model: FLS-110-03P-89 Emitter Type: LED (Light Emitting Diode)
Nominal Wavelength: 1550 nm Spectral Width: ≥ 35 nm minimum; typically 65 nm FWHM in C band
Output Power: -16 dBm typical (9/125 μ m fiber); -13 dBm alternate specification Polarization State: Polarization Maintaining Output Modulation Modes: Continuous Wave (CW) and 2 kHz modulation for fiber identification Connector: FC/UPC Operating Temperature: -10 °C to 40 °C Storage Temperature: -20 °C to 60 °C Dimensions: 220 mm $\times$ 110 mm $\times$ 50 mm Weight: 0.75 kg

Key Features

- Dual power architecture: rechargeable built-in NiCd batteries with 9 V alkaline backup
- Battery life up to 14 hours (typical NiCd + 9 V configuration); up to 40 hours with optimized setup
- High and low output power levels to extend operational duration
- Low-battery indicator and auto-off function for field reliability
- Waterproof enclosure with shock-absorbing holster and shoulder strap
- Complete status indicators and intuitive front-panel controls
- AC adapter/charger included for convenient field deployment

Typical Applications

- PMD measurements in installed fiber links
- Polarization-dependent loss characterization
- Field diagnostics for telecom and datacom networks

Compatibility & Integration

Direct integration with the EXFO FTB-5500B PMD Analyzer for comprehensive polarization analysis.

Features & description

From manufacturer datasheet

Features

- C-band polarized SLED broadband source

FLS11003P Characteristics / Specifications

PARAMETER	VALUE
Model	FLS-110-03P-89
Manufacturer	EXFO
Instrument Type	Handheld Polarized Broadband Optical Source
Source code 03P	C band SLED
Connector code	FC/UPC
Nominal wavelength	C band (1550 nm region)
Spectral width nm	>=37
Typical spectral width nm	about 65
Emitter type	SLED
Typical output power dBm into 9/125 um	-13
Sibling 02P nominal band	O band LED
Sibling 02P spectral width nm	>=35
Sibling 02P typical output dBm	-19
Output modes	CW; 2 kHz modulation
Power levels	high and low
SizeHxWxD	220 mm x 110 mm x 50 mm
Weight unit	0.75 kg
Weight shipping	2.5 kg
Operating temperature	-10 C to 40 C
Storage temperature	-20 C to 60 C
Power sources	NiCd; 9 V alkaline; AC adapter/charger
Battery life NiCd plus 9 V hours	14 typical
Auto off	yes
Low battery indicator	yes
Laser LED safety	Class 1 LED product (IEC 60825-1)

PARAMETER	VALUE
Spec condition temperature	23 C +/-2 C
Alias	FLS-110-03P; FLS110 03P 89
Product status	discontinued (OEM discontinued about 2022-12) Notes Specs from EXFO FLS-110 OEM spec sheet for -03P C-band model with -89 FC/UPC. Confirm connector adapter and pairing with FTB-5500 for PMD workflows.
Three-way powering	NiCd, 9 V alkaline, AC charger

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; 9 V alkaline; AC adapter/charger
Battery life NiCd plus 9 V hours	14 typical
Auto off	yes
Low battery indicator	yes
Laser LED safety	Class 1 LED product (IEC 60825-1)
Spec condition temperature	23 C +/-2 C
Alias	FLS-110-03P; FLS110 03P 89
Product status	discontinued (OEM discontinued about 2022-12) Notes Specs from EXFO FLS-110 OEM spec sheet for -03P C-band model with -89 FC/UPC. Confirm connector adapter and pairing with FTB-5500 for PMD workflows.

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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Model	FLS-110-03P-89
Manufacturer	EXFO
Instrument Type	Handheld Polarized Broadband Optical Source
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PARAMETER	VALUE
Source code 03P	C band SLED
Connector code 89	FC/UPC
Nominal wavelength	C band (1550 nm region)
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Spectral width nm	>=37
Typical spectral width nm	about 65
Emitter type	SLED
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Notes

Specs from EXFO FLS-110 OEM spec sheet for -03P C-band model with -89 FC/UPC. Confirm connector adapter and pairing with FTB-5500 for PMD workflows.

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
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<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.