

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

EXFO

Exfo FLS-300 Network Testing Optical Light Source

Applications - FTTx / PON loss testing at 1310/1490/1550 nm - Singlemode and multimode insertion loss characterization - Auto-wavelength referencing with compatible meters - Fiber identification with tone generation - Distant referencing via encrypted power reference Key Features - Up to three SM wavelengths on one port - Four-wavelength MM+SM two-port option - Auto wavelength recognition encryption - Tone generation 270 Hz / 1 kHz / 2 kHz - About 120 hour battery life (Auto mode typical) - 3 year recommended calibration interval - Highest output power class in handheld EXFO line Technical Specifications Model: FLS-300 Manufacturer: EXFO Instrument Type: Handheld Optical Light Source Alias: FLS300 Size: 185 mm x 100 mm x 55 mm Weight: 0.4 kg (0.



MODEL

Exfo FLS-300

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FLS-300

LISTING

<https://aumictechlabs.com/products/fls-300-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO FLS-300 is a handheld optical light source engineered for fiber optic network testing and cable characterization. It emits stable, calibrated light signals across multiple wavelengths and fiber types, enabling field technicians to perform loss measurements, continuity checks, and FTTx validation. The instrument integrates with EXFO's power meters and optical loss test sets through encrypted auto-wavelength recognition, reducing setup time and calibration

errors. Technical Specifications Wavelength Coverage Calibrated wavelengths: 850 nm, 1300 nm, 1310 nm, 1490 nm, 1550 nm, and 1625 nm (model-dependent) Supports ITU-T PON wavelengths: 1310 nm, 1490 nm, 1550 nm Single port: up to three single-mode wavelengths Dual port: up to four wavelengths (two multimode, two single-mode) Output Power Single-mode fiber: ≥ 1 dBm Multimode fiber (62.5/125 μm): > -20 dBm Power stability: ± 0.10 dB over 8 hours Fiber Compatibility Singlemode (SM) and multimode (MM) fiber support Connectors: ST, SC, LC, E-2000, DIN 47256 Polish options: UPC or APC Tone Generation 270 Hz, 1 kHz, 2 kHz Battery Autonomy: up to 120 hours (auto mode) Safety & Calibration Class 1 laser product Calibration interval: 3 years Key Features Auto-wavelength recognition via encrypted digital protocol Encrypted distant referencing for long-distance power reference transmission Highest output power in its class Multi-wavelength output on single and dual ports Typical Applications FTTx network validation and commissioning Passive optical network (PON) testing Fiber loss and continuity measurements Field troubleshooting of single-mode and multimode installations Compatibility & Integration The FLS-300 integrates with the FPM-300 Power Meter and FOT-300 Optical Loss Test Set through encrypted auto-wavelength protocols, enabling automatic calibration parameter selection across compatible instruments.

Features & description

From manufacturer datasheet

Features

- Up to three SM wavelengths on one port

Applications

- FTTx / PON loss testing at 1310/1490/1550 nm

FLS300 Characteristics / Specifications

PARAMETER	VALUE
Model	FLS-300
Manufacturer	EXFO
Instrument Type	Handheld Optical Light Source
Alias	FLS300
Size	185 mm x 100 mm x 55 mm
Weight	0.4 kg (0.9 lb)
Operating temperature	-10 C to 50 C
Storage temperature	-40 C to 70 C
Relative humidity	0% to 95% non-condensing
Power supply	3 AA alkaline batteries
Model 23BL wavelengths	1310 $\pm$ 20 nm; 1550 $\pm$ 20 nm
Model 23BL spectral width	$\leq$ 5 nm
Model 23BL output power	$\geq$ 1 / $\geq$ 1 dBm
Model 235BL wavelengths	1310 $\pm$ 20; 1490 $\pm$ 10; 1550 $\pm$ 20 nm
Model 235BL output power	$\geq$ 1 / $\geq$ -4.5 / $\geq$ -3 dBm
Model 234BL wavelengths	1310 $\pm$ 20; 1550 $\pm$ 20; 1625 $\pm$ 15 nm
Model 234BL output power	$\geq$ 1 / $\geq$ -3 / $\geq$ -5 dBm
Model 12D wavelengths	850 $\pm$ 25 nm; 1300 +50/-20 nm
Model 12D spectral width	50 / 135 nm typical
Model 12D output power	$\geq$ -20 / $\geq$ -20 dBm (62.5/125 μ m)
Power stability 8 h	$\pm$ 0.10 dB
Battery life typical Auto	120 hours (100 h on 234BL)
Auto wavelength recognition	yes
Tone generation	270 Hz; 1 kHz; 2 kHz
Recommended calibration interval	3 years

PARAMETER	VALUE
Warranty	1 to 3 years depending on datasheet revision
Laser safety	Class 1 laser product
Spec conditions	23 C $\pm$ 1 C; FC connector
Standard accessories	user guide; calibration certificate; AC adapter; 3 AA; wrist strap Notes Specs from EXFO FLS-300 light source specification sheets (23BL/234BL/235BL/12D columns). Confirm exact ordered model and connector code (EI-EUI / EA-EUI) on the faceplate.
Power stability	8 h: $\pm$ 0.10 dB
Humidity	0% to 95% non-condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 C to 70 C
Operating temperature	10 C to 50 C
Operating Temperature	10 C to 50 C
Humidity	0% to 95% non-condensing
Relative humidity	0% to 95% non-condensing
Power supply	3 AA alkaline batteries
Model 23BL wavelengths	1310 ±20 nm; 1550 ±20 nm
Model 23BL spectral width	≤5 nm
Model 23BL output power	≥1 / ≥1 dBm
Model 235BL wavelengths	1310 ±20; 1490 ±10; 1550 ±20 nm
Model 235BL output power	≥1 / ≥-4.5 / ≥-3 dBm
Model 234BL wavelengths	1310 ±20; 1550 ±20; 1625 ±15 nm
Model 234BL output power	≥1 / ≥-3 / ≥-5 dBm
Model 12D wavelengths	850 ±25 nm; 1300 +50/-20 nm
Model 12D spectral width	50 / 135 nm typical
Model 12D output power	≥-20 / ≥-20 dBm (62.5/125 um)
Power stability 8 h	±0.10 dB
Battery life typical Auto	120 hours (100 h on 234BL)
Auto wavelength recognition	yes
Tone generation	270 Hz; 1 kHz; 2 kHz
Recommended calibration interval	3 years
Warranty	1 to 3 years depending on datasheet revision
Laser safety	Class 1 laser product
Spec conditions	23 C ±1 C; FC connector
Standard accessories	user guide; calibration certificate; AC adapter; 3 AA; wrist strap Notes Specs from EXFO FLS-300 light source specification sheets

PARAMETER

VALUE

(23BL/234BL/235BL/12D columns). Confirm exact ordered model and connector code (EI-EUI / EA-EUI) on the faceplate.

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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PARAMETER	VALUE
Model	FLS-300
Manufacturer	EXFO
Instrument Type	Handheld Optical Light Source
Specifications	
PARAMETER	VALUE
Alias	FLS300
Size	185 mm x 100 mm x 55 mm
Weight	0.4 kg (0.9 lb)
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PARAMETER	VALUE
Operating temperature	-10 C to 50 C
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PARAMETER	VALUE
Power supply	3 AA alkaline batteries
Model 23BL wavelengths	1310 ±20 nm; 1550 ±20 nm
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Specifications	
PARAMETER	VALUE
Model 23BL output power	≥1 / ≥1 dBm
Model 235BL wavelengths	1310 ±20; 1490 ±10; 1550 ±20 nm
Model 235BL output power	≥1 / ≥-4.5 / ≥-3 dBm

Specifications

PARAMETER	VALUE
Model 234BL wavelengths	1310 ±20; 1550 ±20; 1625 ±15 nm
Model 234BL output power	≥1 / ≥-3 / ≥-5 dBm
Model 12D wavelengths	850 ±25 nm; 1300 +50/-20 nm

Specifications

PARAMETER	VALUE
Model 12D spectral width	50 / 135 nm typical
Model 12D output power	≥-20 / ≥-20 dBm (62.5/125 um)
Power stability 8 h	±0.10 dB

Specifications

PARAMETER	VALUE
Battery life typical Auto	120 hours (100 h on 234BL)
Auto wavelength recognition	yes
Tone generation	270 Hz; 1 kHz; 2 kHz

Recommended calibration interval: 3 years
Warranty: 1 to 3 years depending on datasheet revision

Specifications

PARAMETER	VALUE
Laser safety	Class 1 laser product
Spec conditions	23 C ±1 C; FC connector
Standard accessories	user guide; calibration certificate; AC adapter; 3 AA; wrist strap

Notes
Specs from EXFO FLS-300 light source specification sheets (23BL/234BL/235BL/12D columns). Confirm exact ordered model and connector code (EI-EUI / EA-EUI) on the faceplate.

Laser Safety

Laser safety: Class 1 laser product Spec conditions: 23 C $\pm$ 1 C; FC connector Standard accessories: user guide; calibration certificate; AC adapter; 3 AA; wrist strap Notes Specs from EXFO FLS-300 light source specification sheets (23BL/234BL/235BL/12D columns). Confirm exact ordered model and connector code (EI-EUI / EA-EUI) on the faceplate.

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.