


Aumictech

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

EXFO

Exfo FLS-210A 1" Variable Light Source

Key Features - Variable output 0.1 dB steps (5 dB LED / 10 dB laser range) - FasTest compatible with FOT-90A - Single or dual wavelength LED/laser configs - Optional TEC cooled 1310/1550 nm (23BLC) - 2 kHz tone modulation - Three-way powering: AC, NiCd, 9 V alkaline - Backlit LCD and auto-off - EXFO Universal Interface options

Technical Specifications Model: FLS-210A Manufacturer: EXFO Instrument Type: Handheld Variable Optical Light Source Laser attenuation range dB: 0 to 10 LED attenuation range dB: 0 to 5 Attenuation step dB: 0.1 Single laser 02BL wavelength nm: 1310 +/-15 Single laser 03BL wavelength nm: 1550 +/-20 Single laser spectral width nm: <=5 rms Single laser typical output dBm: -2 into 9/125 and 50/125 um Single laser stability 1 h dB: +/-0.05 Single laser stability 8 h dB: +/-0.



MODEL

Exfo FLS-210A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FLS-210A

LISTING

<https://aumictechlabs.com/products/fls-210a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Exfo FLS-210A is a variable light source engineered for multiwavelength fiber optic testing in R&D and manufacturing environments. It delivers adjustable optical power across selectable wavelengths to support insertion loss and continuity measurements on passive components and optical links. The unit combines field portability with lab-grade performance through multiple power configurations, precise output control, and integration with EXFO's FasTest automated testing platform.

Technical Specifications Emitter Options: LED or laser sources. Power Output:

Laser versions: 10 dB variable range, adjustable in 0.1 dB increments LED versions: 5 dB variable range, adjustable in 0.1 dB increments Laser output levels: -2 dBm, -3 dBm, or -7 dBm (source-dependent) Wavelength Configurations: Single-wavelength: 1300 nm, 1550 nm Dual-wavelength: 850/1300 nm or 1310/1550 nm (toggled via single output connector) Modulation: 2 kHz tone modulation. Output Interface: EXFO Universal Interface (EUI); adapter types sold separately. Thermal Management: Cooled laser option available for stability-critical applications. Power Options: AC adapter, internal NiCd battery, or 9 V alkaline battery. Auto-off and low-battery indicator included. Display: Backlit LCD. Physical: Polycarbonate case, 22 cm × 11 cm × 5 cm, 0.75 kg. Environmental: Operating -10 °C to 40 °C; storage -30 °C to 60 °C.

Key Features

- Fine-granularity power control (0.1 dB steps) for precise loss characterization
- Dual-wavelength models reduce test footprint in multiwavelength applications
- Laser and LED options accommodate different testing requirements and cost profiles
- Cooled laser variant minimizes output drift in long-duration testing

Compatibility & Integration

FasTesT-enabled automated loss testing: connects with compatible EXFO power meters (e.g., FOT-90A) for single-button wavelength loss tests. Streamlines data acquisition and reduces measurement error.

Compliance

CLASS 1 LASER PRODUCT and CLASS 1 LED PRODUCT. Complies with 21 CFR 1040.10, 1040.11, IEC 60825-1:1993+A1:1997, and FCC Part 15.

Features & description

From manufacturer datasheet

Features

- Variable output 0.1 dB steps (5 dB LED / 10 dB laser range)

FLS210A Characteristics / Specifications

PARAMETER	VALUE
Model	FLS-210A
Manufacturer	EXFO
Instrument Type	Handheld Variable Optical Light Source
Laser attenuation range dB	0 to 10
LED attenuation range dB	0 to 5
Attenuation step dB	0.1
Single laser 02BL wavelength nm	1310 +/-15
Single laser 03BL wavelength nm	1550 +/-20
Single laser spectral width nm	<=5 rms
Single laser typical output dBm	-2 into 9/125 and 50/125 um
Single laser stability 1 h dB	+/-0.05
Single laser stability 8 h dB	+/-0.12
Dual LED 12C wavelengths nm	850 +/-30 / 1300 +/-30
Dual laser 23BL wavelengths nm	1310 +/-15 / 1550 +/-20
Dual laser 23BL typical output dBm	-3.5 / -3.5
Dual laser 23BL stability 1 h dB	+/-0.05 / +/-0.05
Dual laser 23BLC TEC stability 1 h dB	+/-0.04 / +/-0.04
Dual laser 23BLC stability 8 h dB	+/-0.06 / +/-0.06
Tone modulation	2 kHz
Size	22 cm x 11 cm x 5 cm
Weight unit	0.75 kg
Weight shipping	2.5 kg
Operating temperature	-10 C to 40 C
Storage temperature	-30 C to 60 C
Power	AC adapter/charger; NiCd; 9 V alkaline

PARAMETER	VALUE
Auto off	yes
FasTesT partner meter	FOT-90A
Laser safety	Class 1 laser / Class 1 LED product
Spec condition	23 C +/-2 C after warm-up
Alias	FLS210A
Product status	discontinued (OEM end of support historically 2010) Notes Specs from EXFO FLS-210A OEM datasheet. Confirm source code (12C/23B/23BL/23BLC/02BL/03BL) and connector on the faceplate before quoting output power.
Three-way powering	AC, NiCd, 9 V alkaline
Attenuation	range and LED versions 5 dB. Paired with FOT-90A, it supports FasTesT automated single- or dual-wavelength loss tests. Common dual laser config is 1310/1550 nm (23BL) at about -3.5 dBm.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	30 C to 60 C
Operating temperature	10 C to 40 C
Operating Temperature	10 C to 40 C
Power	AC adapter/charger; NiCd; 9 V alkaline
Auto off	yes
FasTesT partner meter	FOT-90A
Laser safety	Class 1 laser / Class 1 LED product
Spec condition	23 C +/-2 C after warm-up
Alias	FLS210A
Product status	discontinued (OEM end of support historically 2010) Notes Specs from EXFO FLS-210A OEM datasheet. Confirm source code (12C/23B/23BL/23BLC/02BL/03BL) and connector on the faceplate before quoting output power.

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-210A
Manufacturer	EXFO
Instrument Type	Handheld Variable Optical Light Source
Specifications	
PARAMETER	VALUE
Laser attenuation range dB	0 to 10
LED attenuation range dB	0 to 5
Attenuation step dB	0.1
Specifications	
PARAMETER	VALUE
Single laser 02BL wavelength nm	1310 +/-15
Single laser 03BL wavelength nm	1550 +/-20
Single laser spectral width nm	<=5 rms
Specifications	
PARAMETER	VALUE
Single laser typical output dBm	-2 into 9/125 and 50/125 um
Single laser stability 1 h dB	+/-0.05
Single laser stability 8 h dB	+/-0.12
Specifications	
PARAMETER	VALUE
Dual LED 12C wavelengths nm	850 +/-30 / 1300 +/-30
Dual laser 23BL wavelengths nm	1310 +/-15 / 1550 +/-20
Dual laser 23BL typical output dBm	-3.5 / -3.5

Dual laser 23BL stability 1 h dB: +/-0.05 / +/-0.05

Dual laser 23BLC TEC stability 1 h dB: +/-0.04 / +/-0.04

Specifications

PARAMETER	VALUE
Dual laser 23BLC stability 8 h dB	+/-0.06 / +/-0.06
Tone modulation	2 kHz
Size	22 cm x 11 cm x 5 cm

Specifications

PARAMETER	VALUE
Weight unit	0.75 kg
Weight shipping	2.5 kg
Operating temperature	-10 C to 40 C

Specifications

PARAMETER	VALUE
Storage temperature	-30 C to 60 C
Power	AC adapter/charger; NiCd; 9 V alkaline
Auto off	yes

Specifications

PARAMETER	VALUE
FasTesT partner meter	FOT-90A
Laser safety	Class 1 laser / Class 1 LED product
Spec condition	23 C +/-2 C after warm-up

Alias: FLS210A

Product status: discontinued (OEM end of support historically 2010)

Notes

Specs from EXFO FLS-210A OEM datasheet. Confirm source code (12C/23B/23BL/23BLC/02BL/03BL) and connector on the faceplate before quoting output power.

Laser Safety

Laser safety: Class 1 laser / Class 1 LED product Spec condition: 23 C +/-2 C after warm-up Alias: FLS210A Product status: discontinued (OEM end of support historically 2010) Notes Specs from EXFO FLS-210A OEM datasheet. Confirm source code (12C/23B/23BL/23BLC/02BL/03BL) and connector on the faceplate before quoting output power.

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 13, 2026

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