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Data Sheet

August 13, 2026

EXFO

Exfo FLS-220A-02BLC-22-IE Light Source

The EXFO FLS-220A-02BLC-22-IE is a handheld, single-port optical light source engineered for field deployment in fiber optic network testing. This dual-wavelength source delivers stable light output across LAN and WAN environments, making it suitable for technicians and installers conducting fiber optic infrastructure commissioning and maintenance work. The interchangeable connector (IE) design paired with a 2.5 mm universal connector interface enables rapid field adaptation without specialized tools or adapters. Compatibility & Integration The 2.5 mm universal connector interface provides compatibility with standard ferrule connectors common in telecom test environments. The interchangeable connector design accommodates multiple connector types without requiring separate instrument variants, reducing field inventory requirements. Aumictech offers NIST-traceable calibration and repair

**MODEL****Exfo FLS-220A-02BLC-22-IE****CALIBRATION****Available on request****CONDITION****Used****STATUS****In stock****RFQ / SKU****FLS-220A-02BLC-22-IE****LISTING**<https://aumictechlabs.com/products/fls-220a-02bhc-22-ie-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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adaptation without specialized tools or adapters. Technical Specifications Model: FLS-220A-02BLC-22-IE Wavelength Output: Dual-wavelength configuration Connector Type: Interchangeable (IE) Interface Connector: 2.5 mm universal Port Configuration: Single-port Output Stability: Stable light output Key Features Portable handheld form factor for field operations Interchangeable connector system for quick field transitions Single-port design optimized for direct fiber coupling Straightforward operation suitable for field technician deployment Typical Applications LAN fiber optic network testing WAN infrastructure validation Fiber optic installation and commissioning Field maintenance of deployed optical networks Compatibility & Integration The 2.5 mm universal connector interface provides compatibility with standard ferrule connectors common in telecom test environments. The interchangeable connector design accommodates multiple connector types without requiring separate instrument variants, reducing field inventory requirements.

Features & description

From manufacturer datasheet

Features

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

FLS220A02BLC22IE 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	F0T-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

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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.