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Data Sheet

August 14, 2026

EXFO

Exfo FLS-210B / FOT-90 Kit

The EXFO FLS-210B / FOT-90 Kit combines a quad laser light source with an optical power meter to deliver complete fiber optic characterization for field deployment. The FLS-210B generates four calibrated wavelengths across single-mode and multimode bands, while the FOT-90 meter captures absolute power and loss measurements from high-output fibers down to noise floor. Together they form an integrated test platform compatible with the FasTest automated documentation system. Quad laser source with wavelengths: 1310 nm, 1550 nm (single-mode); 850 nm, 1300 nm (multimode) Output power: variable over 10 dB range in 0.1 dB increments; specific levels at -2 dBm, -3 dBm, or -7 dBm depending on source Laser classification: 21 CFR Class I per 21 CFR 1040.10 and 1040.11 FOT-90 Power Meter



MODEL

**Exfo FLS-210B /
FOT-90**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

FLS-210B / FOT-90

LISTING

<https://aumictechlabs.com/products/fls-210b-fot-90-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

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wavelengths: 1310 nm, 1550 nm (single-mode); 850 nm, 1300 nm (multimode) Output power: variable over 10 dB range in 0.1 dB increments; specific levels at -2 dBm, -3 dBm, or -7 dBm depending on source Stability: ± 0.005 dB (15 min), ± 0.05 dB (8 hr) at constant temperature Spectral width: 5 nm or 10 nm (rms) Modulation: 270 Hz, 1 kHz, 2 kHz (50% duty cycle); FLS-210A supports 2 kHz tone Connector: FC Power supply: AC adapter/charger, NiCd rechargeable batteries, or 9 V alkaline Display: large backlit LCD Laser classification: 21 CFR Class I per 21 CFR 1040.10 and 1040.11 FOT-90 Power Meter Measurement range: -43 dBm to +35 dBm (Ultra-High Power™ capable) Accuracy: ± 0.12 dB (-30 dBm to +20 dBm), ± 0.3 dB (+28 dBm to +35 dBm) at 1550 nm Supports absolute power and loss testing Key Features FasTesT-compatible automatic mode for streamlined data logging Automatic wavelength recognition and calibration storage via one-button operation Ultra-High Power measurement capability for high-output fiber testing Durable polycarbonate field case with auto-off and low-battery indicator Typical Applications Single-mode and multimode fiber plant characterization Loss budget validation across C-band and O-band wavelengths High-power launch and acceptance testing Field installation and commissioning documentation Compatibility & Integration The kit operates as a paired system with automatic wavelength handshake through FasTesT. Both instruments feature FC connectors for standard patch-cord integration.

FLS210BFOT Characteristics / Specifications

PARAMETER	VALUE
Laser Variable Range	0 to 10 dB
LED Variable Range	0 to 5 dB
Adjustment Step	0.1 dB
Model 02BL Wavelength	1310 +/-15 nm
Model 03BL Wavelength	1550 +/-20 nm
Model 02BL Typical Output 9/1	-2 dBm
Model 03BL Typical Output 9/1	-2 dBm
Model 02BL Stability 1 h	+/-0.05 dB
Model 02BL Stability 8 h	+/-0.12 dB
Model 23BL Wavelengths	1310 +/-15 / 1550 +/-20 nm
Model 23BL Typical Output	-3.5 dBm
Model 23BL Spectral Width	<=5 nm rms
Model 12C Wavelengths	850 +/-30 / 1300 +/-30 nm
Model 12C Emitter	LED
Tone Modulation	2 kHz
Size HxWxD	22 × 11 × 5 cm
Weight Unit	0.75 kg
Operating Temperature	-10 C to 40 C
Storage Temperature	-30 C to 60 C
Compatible Meter Series	FOT-90A
Spec Conditions	23 C +/-2 C after 10 minute warmup
Laser Safety Class	Class 1 laser / Class 1 LED

FLS210BFOT Specifications

PARAMETER	VALUE
Key Features	Variable output in 0.1 dB steps
Single and dual wavelength LED or laser configurations	Optional TEC cooled dual laser (23BLC class on A-series table)
Technical Specifications	Laser Variable Range: 0 to 10 dB

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
Compatible Meter Series	FOT-90A
Spec Conditions	23 C +/-2 C after 10 minute warmup
Laser Safety Class	Class 1 laser / Class 1 LED Notes From EXFO FLS-210A Variable Light Source specification sheet; OEM FOT-90A materials list FLS-210B as the compatible successor source in the same class. Confirm exact B-revision deltas on the unit certificate if present.

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
Laser Variable Range	0 to 10 dB
LED Variable Range	0 to 5 dB
Adjustment Step	0.1 dB
Model 02BL Wavelength	1310 +/-15 nm
Model 03BL Wavelength	1550 +/-20 nm
Model 02BL Typical Output 9/125	-2 dBm
Model 03BL Typical Output 9/125	-2 dBm
Model 02BL Stability 1 h	+/-0.05 dB
Model 02BL Stability 8 h	+/-0.12 dB
Model 23BL Wavelengths	1310 +/-15 / 1550 +/-20 nm
Model 23BL Typical Output	-3.5 dBm
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Laser Safety

Laser Safety Class: Class 1 laser / Class 1 LED Notes From EXFO FLS-210A Variable Light Source specification sheet; OEM FOT-90A materials list FLS-210B as the compatible successor source in the same class. Confirm exact B-revision deltas on the unit certificate if present.

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.