

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

EXFO

Exfo FVA-80-B50-C22-IE Singlemode and Multimode Variable Attenuator

The Exfo FVA-80-B50-C22-IE is a dual-channel variable optical attenuator integrating singlemode and multimode functionality within a single portable unit. Each channel operates independently with dedicated optical interfaces, enabling precise attenuation control across multiple wavelengths and fiber types. The instrument delivers up to 65 dB maximum attenuation with 0.01 dB optical resolution and insertion loss below 3.0 dB, making it suitable for R&D, production testing, and field deployment. Singlemode Wavelengths: 1300 nm, 1550 nm (additional calibration wavelengths available) Multimode Wavelengths: 850 nm, 1300 nm (additional calibration wavelengths available) Aumictech offers NIST-traceable calibration and repair for the Exfo FVA-80-B50-C22-IE. Calibration covers attenuation accuracy at 5 or more set values across the full range (0 to rated maximum dB), attenuation linearity, wav



MODEL

Exfo FVA-80-B50-C22-IE

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FVA-80-B50-C22-IE

LISTING

<https://aumictechlabs.com/products/fva-80-b50-c22-ie-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

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wavelengths and fiber types. The instrument delivers up to 65 dB maximum attenuation with 0.01 dB optical resolution and insertion loss below 3.0 dB, making it suitable for R&D, production testing, and field deployment. Technical Specifications Attenuation Range: 0 to 65 dB maximum Optical Resolution: 0.01 dB Insertion Loss: < 3.0 dB Singlemode Wavelengths: 1300 nm, 1550 nm (additional calibration wavelengths available) Multimode Wavelengths: 850 nm, 1300 nm (additional calibration wavelengths available) Return Loss: High performance design (specific values not documented) Optical Shutter: Attenuation exceeding 100 dB when activated Programmable Steps: Up to 60 attenuation values with user-defined step size Step Timing: Intervals up to 23 hours, 59 minutes, 59 seconds Key Features Dual independent singlemode/multimode channels in single housing Manual mode for direct attenuation control Program mode supporting automated test sequences Relative attenuation display modes with "X + B" reference configuration Step/Scan modes for dynamic attenuation adjustment Optical shutter with remote BNC control Rechargeable internal battery for field portability RS-232 and IEEE-488 remote interfaces Typical Applications Optical communication system testing and optimization Automated attenuator sequences in production environments Reference loss simulation and system characterization Field and laboratory measurements Compatibility & Integration Remote operation via RS-232 and IEEE-488 interfaces supports integration into automated test systems. External shutter control available through rear-panel BNC connector.

FVA80B50C22IE Characteristics / Specifications

PARAMETER	VALUE
Model Family	FVA-80
Queue Configuration	B50-C22-IE
Singlemode Path Class	B50 coding on family
Multimode Path Class	C22 coding on family
Interface Coding	IE
Instrument Type	variable optical attenuator
Form Factor	benchtop
Singlemode Fiber Class	9/125 um class
Multimode Fiber Class	50/125 um class
Attenuation Function	variable optical attenuation
Shutter Isolation Class	family shutter isolation
Intended Use	loss simulation and calibration
Connector Interface	EXFO universal interface adapters
Related Family Models	FVA-80 B and C/D codes
Calibration Class	per calibration certificate
Documentation Source Class	EXFO FVA-80 family specification literature
Operating Ambient Class	laboratory ambient
Remote Control Class	family remote path where equipped
Spectral Tuning Use	yes per OEM attenuator applications
Ultra Low Insertion Loss Class	family optimization claim
Faceplate Confirm Class	confirm exact B50 C22 optical codes on unit
Dual Fiber Support	singlemode and multimode
Brand	EXFO
Attenuation	Function: variable optical attenuation

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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Form Factor	benchtop
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Attenuation Function	variable optical attenuation
Shutter Isolation Class	family shutter isolation
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Connector Interface	EXF0 universal interface adapters
Related Family Models	FVA-80 B and C/D codes
Calibration Class	per calibration certificate
Documentation Source Class	EXF0 FVA-80 family specification literature
Operating Ambient Class	laboratory ambient
Remote Control Class	family remote path where equipped
Spectral Tuning Use	yes per OEM attenuator applications
Ultra Low Insertion Loss Class	family optimization claim
Faceplate Confirm Class	confirm exact B50 C22 optical codes on unit
Dual Fiber Support	singlemode and multimode
Brand	EXF0
Notes	
Configuration mapping from EXF0 FVA-80 family literature and queue ordering codes B50-C22-IE. Finer numeric attenuation tables belong on the specific FVA-80 datasheet revision and calibration certificate.	

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.