

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

EXFO

Exfo FVA-80 Optical Variable Attenuator

The EXFO FVA-80 is a benchtop/handheld class variable optical attenuator for inserting calibrated optical loss on singlemode fiber links. OEM EXFO FVA family literature emphasizes wide attenuation range, low insertion loss, and wavelength calibrated attenuation for BER and system margin testing. BER and system margin testing, receiver sensitivity characterization, and calibrated optical loss insertion on singlemode links in lab and field. Benchtop or portable FVA family form factors Instrument Family: EXFO FVA-80 variable optical attenuator BER and system margin testing, receiver sensitivity characterization, and calibrated optical loss insertion on singlemode links in lab and field. Benchtop or portable FVA family form factors Instrument Family: EXFO FVA-80 variable optical attenuator Function: calibrated variable optical attenuation



MODEL

Exfo FVA-80

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FVA-80

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO FVA-80 is a precision optical variable attenuator designed to control optical power levels in fiber optic systems. It simulates signal loss across diverse network environments, enabling accurate BER testing, system calibration, and performance validation. Built for high accuracy, stability, and repeatability, the FVA-80 serves laboratory research and field deployment in network design, testing, and maintenance. Technical Specifications Attenuation Range: 0 to 80 dB (typical) Insertion Loss: Low insertion loss (connector type and attenuation level dependent)

Accuracy: High attenuation setting accuracy for repeatable testing Repeatability: Consistent attenuation over multiple operations Stability: Stable optical power output with minimized drift Return Loss: High return loss to minimize signal reflections Polarization Dependent Loss (PDL): Minimized across operating range Control Interface: User-friendly precision attenuation adjustment Power Meter Integration: Compatible with optical power meters for closed-loop control Optical Specifications Wavelength Range: Specified across common telecommunication wavelengths (configuration-dependent) Connector Types: Compatible with industry-standard connectors (FC/PC, SC/PC, LC/PC); UPC/APC specification dependent on unit configuration Fiber Support: Single-mode (SMF) and multimode (MMF) fiber compatibility (model variant dependent)

Key Features Precise optical power control for network simulation Designed for both laboratory and field applications Consistent performance across repeated measurements Integration capability with power measurement instrumentation

Typical Applications Bit Error Rate (BER) testing System calibration and performance validation Signal loss simulation in fiber optic networks Comparative testing requiring stable attenuation levels

Compatibility & Integration The FVA-80 accommodates standard fiber optic connector formats and integrates with compatible optical power meters for automated power control workflows. Connector type and fiber mode selection should match your existing infrastructure specifications.

Features & description

From manufacturer datasheet

Polarization Dependence Class: low PDL class on family

Return Loss Class: high ORL class on family Manufacturer: per instrument faceplate branding

Documentation Basis: OEM datasheet or operating manual family Specification Ambient Class: 23 C class unless otherwise stated Calibration Traceability Class: standards laboratory traceable class Notes Identity and capability rows from EXFO FVA family literature for FVA-80. Confirm exact attenuation span IL PDL and wavelength set on the unit datasheet and calibration certificate.

FVA Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	EXFO FVA-80 variable optical attenuator
Function	calibrated variable optical attenuation
Fiber Type Class	singlemode
Attenuation Range Class	wide range per FVA family
Insertion Loss Class	low IL per FVA family
Wavelength Coverage Class	telecom bands class
Connector Interface Class	interchangeable EXFO UI adapters class
Resolution Class	fine attenuation steps class
Repeatability Class	high repeatability class
Remote Control Class	configuration dependent
Form Factor	FVA-80 benchtop/portable class
Display	attenuation readout class
Power	AC or battery class per configuration
Operating Temperature Class	laboratory/field optical
Calibration	wavelength dependent attenuation tables
Series Family	EXFO FVA
Polarization Dependence Class	low PDL class on family
Return Loss Class	high ORL class on family
Manufacturer	per instrument faceplate branding
Documentation Basis	OEM datasheet or operating manual family
Specification Ambient Class	23 C class unless otherwise stated
Calibration Traceability Class	standards laboratory traceable class
Attenuation	Fiber Type Class: singlemode
Operating temperature	Class: laboratory/field optical
Return loss	Class: high ORL class on family

PARAMETER	VALUE
Fiber type	Class: singlemode

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: laboratory/field optical
Operating Temperature	Class: laboratory/field optical
Operating Temperature Class	laboratory/field optical
Calibration	wavelength dependent attenuation tables
Series Family	EXFO FVA
Polarization Dependence Class	low PDL class on family
Return Loss Class	high ORL class on family
Manufacturer	per instrument faceplate branding
Documentation Basis	OEM datasheet or operating manual family
Specification Ambient Class	23 C class unless otherwise stated
Calibration Traceability Class	standards laboratory traceable class Notes Identity and capability rows from EXFO FVA family literature for FVA-80. Confirm exact attenuation span IL PDL and wavelength set on the unit datasheet and calibration certificate.

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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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.