

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

EXFO

Exfo FVA-80-D-32 Singlemode Variable Attenuator

The Exfo FVA-80-D-32 is a Singlemode Variable Attenuator designed for precise control of optical signal strength. It operates in the 1250-1650 nm wavelength range, offering 32 dB attenuation and exceptional return loss. Ideal for laboratory and field applications, it ensures accurate power level adjustments in fiber optic systems.



MODEL

Exfo FVA-80-D-32

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FVA-80-D-32

LISTING

<https://aumictechlabs.com/products/fva-80-d-32-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Exfo FVA-80-D-32 is a singlemode variable optical attenuator that delivers precise control of optical signal strength across fiber optic networks. This instrument provides 32 dB of attenuation with 0.01 dB optical resolution, making it suitable for laboratory and field applications requiring accurate power level adjustments. The FVA-80-D-32 excels at simulating system loss, performing optical margin analysis, and conducting acceptance testing of communication systems. Technical Specifications Wavelength Range: 1250–1650 nm; calibrated for 1300 nm and 1550 nm Attenuation Range: 32 dB maximum Insertion Loss: Less than 3.0 dB Optical Resolution: 0.01 dB Operating Temperature: 0 °C to 40 °C Storage Temperature: –40 °C to 70 °C Humidity: 0% to 80% non-condensing Power Supply: AC operation Key Features Absolute loss mode with insertion loss

better than 3.0 dB Two relative attenuation display modes for flexible measurement reporting
Step/scan mode enabling attenuation value modifications in loss and ref/dBm modes
Programmable mode supporting up to 60 attenuation changes with delays up to 23 hours, 59 minutes, and 59 seconds Manual front panel keypad control with fine/coarse adjustment capability Programmable control via RS-232 and IEEE-488 (GPIB) interfaces Designed for portability across laboratory and field environments Typical Applications System loss simulation for fiber optic networks Optical margin and performance analysis Acceptance testing and validation of communication systems Power level control and adjustment in test setups
Compatibility & Integration RS-232 and IEEE-488 (GPIB) interfaces enable both manual and remote programmable control. Singlemode calibration is performed using FC/UPC connectors. Optional computer interface configurations are available for extended integration into automated test systems.

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.

FVA80D 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.