

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

EXFO

Exfo FVA-60B Optical Variable Attenuator +/- 0.15 dB 0.05 dB

The Exfo FVA-60B is an optical variable attenuator engineered for precise control of optical signal power in fiber optic networks. It delivers exceptional accuracy with ± 0.15 dB insertion loss and 0.05 dB repeatability, making it essential for testing, calibration, and system integration in laboratory and field environments. Aumictech offers NIST-traceable calibration and repair for the Exfo FVA-60B. Calibration covers attenuation accuracy at 5 or more set values across the full range (0 to rated maximum dB), attenuation linearity, wavelength-dependent attenuation at 1310 nm, 1490 nm, and 1550 nm, insertion loss at minimum attenuation (0 dB position), and polarization-dependent loss (PDL) where applicable. All calibrations ship with a NIST-traceable certificate. Turnaround is typically 1–3 business days after receipt. Common Exfo FVA-60B faults: motor and gear mechanism wear (attenuati



MODEL

Exfo FVA-60B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FVA-60B

LISTING

<https://aumictechlabs.com/products/fva-60b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Exfo FVA-60B is an optical variable attenuator engineered for precise control of optical signal power in fiber optic networks. It delivers exceptional accuracy with ± 0.15 dB insertion loss and 0.05 dB repeatability, making it essential for testing, calibration, and system integration in

laboratory and field environments. Technical Specifications Insertion Loss (Typical): ± 0.15 dB Repeatability: 0.05 dB Control Method: Manual adjustment knob for variable attenuation Key Features High-precision power level adjustment for demanding fiber optic applications Repeatable attenuation control ensures consistent measurement results Manual knob interface for straightforward operation Typical Applications Optical network testing and signal degradation simulation Component characterization of transmitters, receivers, and optical modules System calibration requiring accurate optical power level control Research and development experimental setups Compatibility & Integration The FVA-60B integrates into standard fiber optic test benches and field deployment scenarios. Verify connector and fiber type compatibility with your specific system configuration before deployment.

FVA60B Characteristics / Specifications

PARAMETER	VALUE
Fiber Type Singlemode Model B	9/125 um
Calibration Wavelengths Singlemode	1310/1550 nm
Attenuation Maximum Singlemode	70 dB
Attenuation Maximum Multimode Models	65 dB
Insertion Loss Typical	2.5 dB
Insertion Loss Maximum Singlemode	3.5 dB
Insertion Loss Maximum Multimode	4.0 dB
Resolution	0.05 dB
Linearity	plus or minus 0.15 dB
Repeatability Typical	plus or minus 0.03 dB
Repeatability Maximum	plus or minus 0.10 dB
Return Loss Typical Singlemode	45 dB
Return Loss Minimum Singlemode	40 dB
Return Loss Typical Multimode	27 dB
Return Loss Minimum Multimode	20 dB
Maximum Input Power Typical	15 dBm
Scan Speed Maximum	0 to 70 dB in 10 seconds
Size HxWxD	220 mm x 110 mm x 50 mm
Weight Unit	0.75 kg
Weight Shipping	2.5 kg
Operating Temperature	minus 10 C to 50 C
Storage Temperature	minus 30 C to 70 C
Relative Humidity	0 percent to 95 percent non-condensing
NiMH Battery Life Class	5 to 25 hours depending on usage
Alkaline Backup Life Class	3 to 10 extra hours

PARAMETER	VALUE
Interface	RS-232
Attenuation	Maximum Singlemode: 70 dB
Humidity	0 percent to 95 percent non-condensing
Return loss	Typical Singlemode: 45 dB
Fiber type	Singlemode Model B: 9/125 um

FVA60B Specifications

PARAMETER	VALUE
Absolute relative and x plus b attenuation display modes	Program mode with up to 60 attenuation steps
Fourteen selectable calibrated wavelengths	RS-232 remote control with application software
Technical Specifications	Fiber Type Singlemode Model B: 9/125 um

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 30 C to 70 C
Operating temperature	minus 10 C to 50 C
Operating Temperature	minus 10 C to 50 C
Humidity	0 percent to 95 percent non-condensing
Relative Humidity	0 percent to 95 percent non-condensing
NiMH Battery Life Class	5 to 25 hours depending on usage
Alkaline Backup Life Class	3 to 10 extra hours
Interface	RS-232 Notes From EXFO FVA-60B Variable Attenuator datasheet SPFVA-60B.8AN at 23 plus or minus 2 C. Insertion loss and return loss at calibrated wavelengths with FC/UPC singlemode or FC/PC multimode; linearity up to 50 dB attenuation with stable non-polarized source.

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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Fiber Type Singlemode Model B	9/125 um
Calibration Wavelengths Singlemode	1310/1550 nm
Attenuation Maximum Singlemode	70 dB
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Insertion Loss Typical	2.5 dB
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Linearity	plus or minus 0.15 dB
Repeatability Typical	plus or minus 0.03 dB
Repeatability Maximum	plus or minus 0.10 dB
Return Loss Typical Singlemode	45 dB
Return Loss Minimum Singlemode	40 dB
Return Loss Typical Multimode	27 dB
Return Loss Minimum Multimode	20 dB
Maximum Input Power Typical	15 dBm
Scan Speed Maximum	0 to 70 dB in 10 seconds
Size HxWxD	220 mm x 110 mm x 50 mm
Weight Unit	0.75 kg
Weight Shipping	2.5 kg
Operating Temperature	minus 10 C to 50 C
Storage Temperature	minus 30 C to 70 C
Relative Humidity	0 percent to 95 percent non-condensing
NiMH Battery Life Class	5 to 25 hours depending on usage
Alkaline Backup Life Class	3 to 10 extra hours
Interface	RS-232

Notes

From EXFO FVA-60B Variable Attenuator datasheet SPFVA-60B.8AN at 23 plus or minus 2 C. Insertion loss and return loss at calibrated wavelengths with FC/UPC singlemode or FC/PC multimode; linearity up to 50 dB attenuation with stable non-polarized source.

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.