

**Aumictech**

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Data Sheet

August 14, 2026

EXFO

Exfo IQS-3150 Variable Attenuator

The EXFO IQS-3150 Variable Attenuator provides precision control of optical signal levels. It allows adjustable attenuation in test setups, helping simulate real-world loss conditions in fiber networks.



MODEL

Exfo IQS-3150

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

IQS-3150

LISTING

<https://aumictechlabs.com/products/iqs-3150-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO IQS-3150 Variable Attenuator is a precision optical attenuation module engineered for signal level control in fiber optic test and measurement environments. This module delivers spectral uniformity of ± 0.03 dB and operates across singlemode and multimode fiber platforms, making it ideal for BER testing, system verification, and EDFA characterization. Technical Specifications Fiber Type Compatibility: Singlemode (9/125 μm) and Multimode (50/125 μm or 62.5/125 μm) Spectral Uniformity: ± 0.03 dB Return Loss (ORL): Compliant with transmission equipment standards Control Modes: Standard attenuation and self-adjusting output power mode Operating Control Options: Absolute, relative, and X+B (user calibration offset) modes Key Features The IQS-3150 incorporates a highly efficient optomechanical design with only two moving parts, ensuring long-term durability in demanding 24/7 production environments. The module has been validated through rigorous testing simulating extended operation in typical BER testing conditions. An optional integrated power meter enables direct output power level setting,

eliminating the need for external measurement equipment. In self-adjusting mode, the attenuator automatically compensates for source power fluctuations, maintaining stable conditions at the device under test. The X+B control mode provides wavelength-independent offset correction for setup losses and wavelength-specific calibration factors to account for patchcord and connector losses.

Typical Applications

- Bit Error Rate (BER) testing
- Optical system verification
- Erbium-Doped Fiber Amplifier (EDFA) gain and noise characterization

Compatibility & Integration

The IQS-3150 supports local control via IQS Manager software and remote control through GPIB, RS-232, and Ethernet TCP/IP. SCPI commands and LabVIEW drivers enable integration into automated test environments.

IQS3150 Characteristics / Specifications

PARAMETER	VALUE
Attenuation Range Singlemode	≥ 65 dB
Spectral Uniformity CBand	± 0.03 dB
Platform	IQS-500 Intelligent Test System one-slot module
Fiber Configurations	singlemode or multimode
Multimode Fiber Example	50/125 μ m
Multimode Wavelength Range Example	700 to 1350 nm
Multimode Maximum Attenuation Example	≥ 60 dB
Multimode Typical Insertion Loss Example	1.3 dB
Multimode Maximum Insertion Loss Example	2.0 dB
Operation Modes With Power Meter Option	Attenuation and Power Output
Remote Interfaces	GPiB, RS-232, Ethernet TCP/IP
Local Control	IQS Manager software
Command Set	SCPI and LabVIEW drivers
Intended Duty Cycle Class	24/7 manufacturing operation
Connector Interface Class	EXFO universal interface (EUI) adapters
Module Width	one IQS slot
Self Adjusting Models	yes (SM and MM)
ORL Compliant Designs	yes for transmission equipment ORL measurements
Power Output Mode	auto-adjusts attenuation to requested power
Manufacturing Duty Class	designed for multi-year 24/7 operation
Spectral Band Highlight	C-band uniformity specification
Integrated Power Meter Option	calibrated output power without external meter
Module Fiber Types	singlemode and multimode ordering codes

PARAMETER	VALUE
Attenuation Setting Use	simulate optical power loss or link attenuation
Wavelength range	Example: 700 to 1350 nm
Attenuation	Range Singlemode: >=65 dB

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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Notes

From EXFO IQS-3150 product launch literature and ArtisanTG configuration tables for IQS-3150-C-EI. Exact IL/ORL and wavelength band depend on SM versus MM ordering code; confirm the module suffix on the label.

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.