

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

EXFO

EXFO M9700 Passive Depolarizer

The EXFO M9700 is a passive fiber optic depolarizer that eliminates polarization-dependent measurement errors. Ideal for optical component testing and sensing applications, it provides stable depolarized output across a wide wavelength range without requiring external power. Its compact design and low insertion loss make it perfect for integration into various optical test systems.



MODEL

Exfo M9700

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

M9700

LISTING

<https://aumictechlabs.com/products/m9700-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO M9700 Passive Depolarizer is a fiber optic component that mitigates polarization-dependent measurement errors in optical testing. Operating without external power, it delivers stable depolarized output from low- and medium-coherence light sources, making it ideal for optical component testing and sensing applications. Technical Specifications Models: M9706 (980 nm $\pm$ 20 nm, Flexcor 1060 fiber) and M9734 (1520 nm to 1620 nm, SMF-28 fiber) Typical Insertion Loss: M9706: 5 dB at 980 nm (excluding connectors); M9734: 3 dB (excluding connectors) Degree of Polarization (DOP): 3% with LEDs over 0.1 nm bandwidth; 10% with EXFO 2600 series tunable laser sources; residual polarization 5% to 8% Polarization Dependent Loss (PDL): M9706: 0.2 dB; M9734: 0.1 dB Key Features Passive design - no power supply required Available as stand-alone unit or single-slot module for IQ-200, IQ-12003, and IQ-12004B systems Multiple connector options: APC/DIN 47256, APC/FC narrow key, APC/SC, APC/E-2000, UPC/DIN 47256 Effective

depolarization of short- and medium-coherence sources Typical Applications Amplifier testing and characterization WDM device measurement Reduction of polarization-dependent loss effects in optical component testing Enhanced measurement repeatability as alternative to polarization scrambling Compatibility & Integration Compatible Light Sources: LEDs (SLDs), Fabry-Perot laser diodes, DFB lasers, EXFO IQ-2600 and FLS-2600 series tunable laser sources. Not suitable for edge-emitting lasers (ECLs) due to coherence length limitations. Compatible Systems: IQ-200 Optical Test System, IQ-12003 Environmental Test System, IQ-12004B DWDM Passive Component Test System.

Features & description

From manufacturer datasheet

Technical Specifications

Models: M9706 (980 nm $\pm$ 20 nm, Flexcor 1060 fiber) and M9734 (1520 nm to 1620 nm, SMF-28 fiber)
Typical Insertion Loss: M9706: 5 dB at 980 nm (excluding connectors); M9734: 3 dB (excluding connectors)
Degree of Polarization (DOP): 3% with LEDs over 0.1 nm bandwidth; 10% with EXFO 2600 series tunable laser sources; residual polarization 5% to 8%
Polarization Dependent Loss (PDL): M9706: 0.2 dB; M9734: 0.1 dB

Key Features

Passive design - no power supply required
Available as stand-alone unit or single-slot module for IQ-200, IQ-12003, and IQ-12004B systems
Multiple connector options: APC/DIN 47256, APC/FC narrow key, APC/SC, APC/E-2000, UPC/DIN 47256
Effective depolarization of short- and medium-coherence sources

Exfo M9700 — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the Exfo M9700. 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. Standard Cal Pass/fail cert + NIST sticker
Cal with Data Full NIST cert with measured values
Common Exfo M9700 faults: motor and gear mechanism wear (attenuation steps or loss of smooth control), optical port contamination, EEPROM calibration data corruption. Most common faults are motor or gear mechanism wear on variable attenuators causing attenuation steps or loss of smooth control, optical port contamination reducing dynamic range, and EEPROM calibration data corruption on digitally controlled models. [Request Calibration](#) → [Request Repair Quote](#) →

Exfo M9700 price

This Exfo M9700 is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

Exfo M9700 calibration cost

NIST-traceable calibration for the Exfo M9700 is (standard — pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Calibration for this instrument 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-

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Applications

Amplifier testing and characterization WDM device measurement Reduction of polarization-dependent loss effects in optical component testing Enhanced measurement repeatability as alternative to polarization scrambling Compatibility & Integration Compatible Light Sources: LEDs (SLDs), Fabry-Perot laser diodes, DFB lasers, EXFO IQ-2600 and FLS-2600 series tunable laser sources. Not suitable for edge-emitting lasers (ECLs) due to coherence length limitations. Compatible Systems: IQ-200 Optical Test System, IQ-12003 Environmental Test System, IQ-12004B DWDM Passive Component Test System.

Unit notes

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M9700 Specifications

PARAMETER	VALUE
Wavelength Range	M9706: 960 nm to 1000 nm
M9734	1520 nm to 1620 nm

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.

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Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values

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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

788 S 500 E, Pleasant Grove, UT 84062
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<https://aumictechlabs.com>

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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.