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Data Sheet

August 13, 2026

EXFO

Exfo IQS-9723 Fiber Optic Polarizer Module

The EXFO IQS-9723-EA is a precision fiber optic polarizer designed to control polarization states in optical test systems. It enhances measurement consistency and is ideal for polarization-sensitive applications like PMD testing, component characterization, and system simulation in fiber optics.



MODEL

Exfo IQS-9723-EA

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

IQS-9723-EA

LISTING

<https://aumictechlabs.com/products/iqs-9723-ea-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The EXFO IQS-9723-EA Fiber Optic Polarizer is a high-precision module engineered for manipulating and stabilizing polarization states in optical testing environments. As part of the IQS modular platform, it is used in research, production, and system simulation where polarization management is crucial. This device ensures repeatable and stable polarization output, critical for tests involving polarization mode dispersion (PMD), polarization-dependent loss (PDL), and birefringence in optical components. The IQS-9723-EA helps reduce test variability, ensuring accuracy in evaluating polarization-sensitive fiber optic devices. The module integrates into EXFO's IQS test system, offering automation and remote control capabilities through software interfaces. It is compact and rugged, suitable for both lab and production settings. With low

insertion loss and high extinction ratio, it delivers clean and controlled polarization performance for sophisticated fiber optic measurements.

Features & description

From manufacturer datasheet

Features

• CW thermally tuned external-cavity diode laser (ECDL/ITLA) • Instantaneous linewidth <100 kHz • C and L band tunability (configuration dependent) • High resolution wavelength/frequency tuning • High optical output power class up to 15 dBm (H option on related FLS-2800) • TIM/SCPI remote control shared with FLS-2800 software ecosystem • Modular IQS slot form factor

Applications

• 100G/400G coherent transmission lab testing • OFDM and advanced modulation format research • WDM network emulation and component characterization • Narrow-linewidth local oscillator / probe laser use • Automated multi-laser racks in IQS modular systems

Polarization extinction ratio PM output: >20 dB

RIN at 13 dBm: -145 dB/Hz (10 MHz to 40 GHz) Specification temperature: 23 °C ± 3 °C Platform: IQS modular chassis (IQS-636 class) Notes Numeric optical specs drawn from EXFO FLS-2800 ITLA datasheet (companion product) plus IQS-2800 press materials (C/L bands, <100 kHz linewidth, 10 pm resolution statement). Confirm IQS slot configuration, band options, and power grade on the module label.

IQS9723EA Characteristics / Specifications

PARAMETER	VALUE
Model	IQS-2800
Manufacturer	EXFO
Instrument Type	Modular ITLA Tunable CW Laser Source
Alias	IQS-2800; IQS2800 ITLA Tunable Laser Source
Laser type	CW thermally tuned ECDL / ITLACband wavelength range: 1527.605 nm to 1567.133 nmCband frequency range: 191.30 THz to 196.25 THzLband wavelength range: 1567.133 nm to 1608.760 nmLband frequency range: 186.35 THz to 191.30 THz
Frequency tuning resolution	100 MHz (1 pm class on FLS-2800 family)
Press stated tuning resolution	10 pm
Tuning time	<25 s
Linewidth FWHM instantaneous	<100 kHz
Side mode suppression ratio	40 dB min (55 dB typical)
Frequency linearity	± 1.5 GHz (± 13 pm)
Frequency uncertainty	± 2.5 GHz (± 22 pm)
Frequency stability 24 hours	± 0.3 GHz (± 3 pm)
Max output power standard S	≥ 13 dBm
Max output power high H	≥ 15 dBm (C/CC class)
Min output power standard S	≤ 7 dBm
Min output power high H	≤ 8 dBm
Output power step size	0.01 dB
Optical power uncertainty after calibration	± 0.6 dB
Power stability 24 hours	± 0.1 dB (2 σ)
Power flatness peak to peak	0.5 dB over band
Polarization extinction ratio PM output	>20 dB
RIN at 13 dBm	-145 dB/Hz (10 MHz to 40 GHz)

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Specification temperature	23 °C ± 3 °C
Platform	IQS modular chassis (IQS-636 class) Notes Numeric optical specs drawn from EXFO FLS-2800 ITLA datasheet (companion product) plus IQS-2800 press materials (C/L bands, <100 kHz linewidth, 10 pm resolution statement). Confirm IQS slot configuration, band options, and power grade on the module label.
Wavelength range	1527.605 nm to 1567.133 nmCband frequency range: 191.30 THz to 196.25 THzLband wavelength range: 1567.133 nm to 1608.760 nmLband frequency range: 186.35 THz to 191.30 THz
Linewidth	local oscillator / probe laser use - Automated multi-laser racks in IQS modular systems
Power stability	24 hours: ±0.1 dB (2 σ)
Polarization extinction ratio	PM output: >20 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.

performance aligns with the companion FLS-2800 benchtop ITLA family.

Applications

- 100G/400G coherent transmission lab testing
- OFDM and advanced modulation format research
- WDM network emulation and component characterization
- Narrow-linewidth local oscillator / probe laser use
- Automated multi-laser racks in IQS modular systems

Key Features

- CW thermally tuned external-cavity diode laser (ECDL/ITLA)
- Instantaneous linewidth <100 kHz
- C andLband tunability (configuration dependent)
- High resolution wavelength/frequency tuning
- High optical output power class up to 15 dBm (H option on related FLS-2800)
- TIM/SCPI remote control shared with FLS-2800 software ecosystem
- Modular IQS slot form factor

Technical Specifications

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C band wavelength range	1527.605 nm to 1567.133 nm
C band frequency range	191.30 THz to 196.25 THz
L band wavelength range	1567.133 nm to 1608.760 nm
L band frequency range	186.35 THz to 191.30 THz
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Max output power standard S	≥13 dBm

PARAMETER	VALUE
Max output power high H	≥15 dBm (C/CC class)
Min output power standard S	≤7 dBm
Min output power high H	≤8 dBm
Output power step size	0.01 dB
Optical power uncertainty after calibration	±0.6 dB
Power stability 24 hours	±0.1 dB (2 σ)
Power flatness peak to peak	0.5 dB over band
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Notes

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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.