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Data Sheet

August 14, 2026

EXFO

Exfo IQS-2123BLC-EI Optical Light Source Module

The EXFO IQS-2123BLC-EI is a dual-wavelength optical light source for loss testing in fiber networks. It offers high output stability and is suitable for automated insertion loss and return loss testing.



MODEL

Exfo IQS-2123BLC-EI

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

IQS-2123BLC-EI

LISTING

<https://aumictechlabs.com/products/iqs-2123bhc-ei-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The EXFO IQS-2123BLC-EI is a dual-wavelength optical light source module engineered for fiber optic network loss testing. Operating at 1310 nm and 1550 nm, this Fabry-Perot laser source delivers variable output power across a 10 dB range with 0.1 dB increment resolution. The module integrates steady drive circuitry to maintain exceptional stability and couples precision optical components for efficient, low-loss output. It slots directly into IQS-600 Intelligent Test System controllers and expansion units, supporting both insertion loss and return loss measurements in automated and manual test workflows. Technical Specifications Wavelengths: 1310 nm and 1550 nm Light Source Type: Fabry-Perot laser Output Power Range: Variable, 10 dB tuning range in 0.1 dB increments Stability (1310 nm): ± 0.003 dB over 15 minutes; ± 0.03 dB over 8 hours Stability (1550 nm): ± 0.005 dB over 15 minutes; ± 0.05 dB over 8 hours Temperature Sensitivity: ± 0.4 dB across 0 °C to 40 °C Warm-up Requirement: 1 hour at constant temperature for optimal stability; 30 minutes if stored at operating temperature Modulation Support: 270 Hz, 1 kHz, and 2 kHz at

50% duty cycle Dimensions: 125 mm (H) × 36 mm (W) × 282 mm (D) Weight: 0.5 kg Key Features Dual-wavelength operation for comprehensive network loss characterization Precise output control via 0.1 dB resolution enables accurate loss margin verification Steady drive circuitry ensures sub-0.005 dB short-term stability for repeatable measurements Data modulation simulation via selectable modulation frequencies Local control through IQS Manager software; remote control via GPIB (IEEE-488.1, IEEE-488.2), RS-232, and SCPI commands LabVIEW driver support for custom test automation Typical Applications Insertion loss measurements in fiber optic cables and components Return loss testing in network elements Automated loss testing workflows Compatibility & Integration The module integrates with EXFO IQS-600 series controllers and expansion units. Standard EXFO optical interfaces are supported; EUI connector adapters are available separately.

IQS2123BLCEI Characteristics / Specifications

PARAMETER	VALUE
Base Model	IQS-2123BLC
Connector Interface Class	EI EXFO EUI
Wavelength 13	1310 nm +20/-30 nm
Wavelength 15	1550 nm +/-20 nm
Output Power BLC Class	greater than or equal to -1 dBm
Source Type	TEC Fabry-Perot laser
Modulation Tones	270 Hz 1 kHz 2 kHz at 50 percent duty cycle
Module Size HxWxD	125 mm x 36 mm x 282 mm
Module Weight	0.5 kg
Operating Temperature	0 C to 40 C
Storage Temperature	minus 35 C to 70 C
Relative Humidity	0 percent to 95 percent non-condensing
Platform	IQS-500 / IQS-600
Related ORL Code Class	IQS-2123ORL output power class greater than or equal to -3 dBm
Warmup For Wavelength Stability	30 minutes class per user guide
Fiber Type	singlemode
Series Family	IQS-2100 light sources
Remote Control	via IQS host SCPI/ActiveX class
Alias Of	exfo-iqs-2123
Attenuation Control	software attenuator path on IQS-2100
Wavelength Display Resolution Class	nearest 1 nm for FP lasers
Specification Ambient Class	laboratory ambient unless OEM table states otherwise
Calibration Traceability Class	per OEM calibration certificate
Wavelength stability	30 minutes class per user guide
Attenuation	Control: software attenuator path on IQS-2100

PARAMETER	VALUE
Humidity	0 percent to 95 percent non-condensing

IQS2123BLCEI Specifications

PARAMETER	VALUE
Applications	Same as IQS-2123BLC dual-wavelength insertion-loss stimulus on IQS ATE where the faceplate carries an EI EUI adapter code.
Dual wavelength 1310/1550 nm on one module	Tone modulation 270 Hz 1 kHz 2 kHz
Technical Specifications	Base Model: IQS-2123BLC

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 35 C to 70 C
Operating temperature	0 C to 40 C
Operating Temperature	0 C to 40 C
Humidity	0 percent to 95 percent non-condensing
Relative Humidity	0 percent to 95 percent non-condensing
Platform	IQS-500 / IQS-600
Related ORL Code Class	IQS-2123ORL output power class greater than or equal to -3 dBm
Warmup For Wavelength Stability	30 minutes class per user guide
Fiber Type	singlemode
Series Family	IQS-2100 light sources
Remote Control	via IQS host SCPI/ActiveX class
Alias Of	exfo-iqs-2123
Attenuation Control	software attenuator path on IQS-2100
Wavelength Display Resolution Class	nearest 1 nm for FP lasers
Specification Ambient Class	laboratory ambient unless OEM table states otherwise
Calibration Traceability Class	per OEM calibration certificate Notes Alias of exfo-iqs-2123 for IQS-2123BLC-EI EUI connector coding. Shared numeric table from EXFO IQS-2100 Light Source user guide; confirm BLC versus ORL and EI versus EA on the module label.

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	
Specifications	
PARAMETER	VALUE
Base Model	IQS-2123BLC
Connector Interface Class	EI EXFO EUI
Wavelength 1310	1310 nm +20/-30 nm
Wavelength 1550	1550 nm +/-20 nm
Output Power BLC Class	greater than or equal to -1 dBm
Source Type	TEC Fabry-Perot laser
Modulation Tones	270 Hz 1 kHz 2 kHz at 50 percent duty cycle
Module Size HxWxD	125 mm x 36 mm x 282 mm
Module Weight	0.5 kg
Operating Temperature	0 C to 40 C
Storage Temperature	minus 35 C to 70 C
Relative Humidity	0 percent to 95 percent non-condensing
Platform	IQS-500 / IQS-600
Related ORL Code Class	IQS-2123ORL output power class greater than or equal to -3 dBm
Warmup For Wavelength Stability	30 minutes class per user guide
Fiber Type	singlemode
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Notes	
Alias of exfo-iqs-2123 for IQS-2123BLC-EI EUI connector coding. Shared numeric table from EXFO IQS-2100 Light Source user guide; confirm BLC versus ORL and EI versus EA on the module 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.