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Data Sheet

August 14, 2026

EXFO

Exfo IQ-2600 Tunable Laser Source

The EXFO IQ-2600 Tunable Laser Source is a optical instrument engineered for precise characterization of fiber-optic components in DWDM systems. It combines continuous wavelength tuning across the C and L bands with stable output power and medium coherence to minimize interference effects during component testing. Wavelength range: 1510 nm to 1612 nm (C and L bands) or 1520 nm to 1570 nm for specific modules Tuning method: Continuous or step-by-step with programmable sweep functions Optical Output Output power: Greater than 0 dBm (1515–1610 nm range); typically 5 dBm for IQ-2600-89 module



MODEL

Exfo IQ-2600

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

IQ-2600

LISTING

<https://aumictechlabs.com/products/iq-2600-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO IQ-2600 Tunable Laser Source is a optical instrument engineered for precise characterization of fiber-optic components in DWDM systems. It combines continuous wavelength tuning across the C and L bands with stable output power and medium coherence to minimize interference effects during component testing. Technical Specifications Wavelength and Tuning Wavelength range: 1510 nm to 1612 nm (C and L bands) or 1520 nm to 1570 nm for specific modules Tuning resolution: 0.01 nm Tuning method: Continuous or step-by-step with programmable sweep functions Optical Output Output power: Greater than 0 dBm (1515–1610 nm range); typically 5 dBm for IQ-2600-89 module Power attenuation range: 10 dB Power stability:

± 0.01 dB over one hour; ± 0.05 dB over 8 hours (IQ-2600-89) Signal-to-SSE ratio: Greater than 65 dB (up to 75 dB for some configurations) Source spontaneous emission suppression: Greater than 60 dB local noise suppression (1515–1610 nm) Spectral Performance Spectral linewidth (FWHM): Approximately 1 GHz (~ 0.01 nm); 0.05 nm typical for IQ-2600-89 module Coherence length: Approximately 10 cm; approximately 15 cm into SMF-28 fiber Key Features Dual operational modes: tunable laser output and ASE (Amplified Spontaneous Emission) source for passive WDM component loss testing Real-time wavelength monitoring via 5% cavity tap output TTL triggering (Trig In/Out) for external instrument synchronization Erbium fiber ring laser architecture Multiple output connector options: FC, SC, E-2000, FC/APC; PMF option available Typical Applications Fiber-optic component characterization and qualification DWDM system testing and research Manufacturing process validation Compatibility & Integration The IQ-2600 operates as a standalone benchtop instrument or as a module within the EXFO IQS test platform, compatible with IQ-203 and IQ-206 mainframes. Software control enables manual and programmed wavelength and power management with multiple sweep options.

IQ2600 Characteristics / Specifications

PARAMETER	VALUE
Wavelength Range	1510 to 1612 nm
Wavelength Display Resolution	1 pm
Wavelength Uncertainty	plus or minus 15 pm
Effective Spectral Linewidth FWHM Typical	1.3 GHz
Output Power 1515 to 1610 nm	0 dBm
Output Power Band Edge Class	minus 10 dBm
Signal To SSE Dynamic Range Typical	greater than 75 dB
Signal To SSE 1550 to 1610 Typical	80 dB
Signal To Total SSE	45 dB (50 typical)
Internal Attenuator Range	10 dB
Attenuator Linearity Typical	plus or minus 0.3 dB
Maximum Sweep Speed	50 nm/s
Minimum Sweep Speed	2 nm/s
Tuning Time Typical	75 ms
Power Stability 15 min	plus or minus 0.005 dB
Power Stability 1 Hour	plus or minus 0.01 dB
Wavelength Stability 1 Hour Typical	plus or minus 6 pm
Wavelength Repeatability 10 Measurements Typical	plus or minus 2.5 pm
Form Factor Class	IQ modular or FLS benchtop sibling
Intended Use Class	DWDM passive and EDFA characterization
Wavelength repeatability	10 Measurements Typical: plus or minus 2.5 pm
Wavelength stability	1 Hour Typical: plus or minus 6 pm
Linewidth	FWHM Typical: 1.3 GHz
Power stability	15 min: plus or minus 0.005 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 list plus or minus 15 pm wavelength uncertainty, 0 dBm output over 1515 to 1610 nm, greater than 75 dB typical dynamic range versus SSE, and an internal 10 dB attenuator.

Applications

Complete characterization of fiber-optic filters and multiplexers, EDFA wavelength-dependent gain noise and saturation testing, calibration of wavelength-sensitive instruments, and manufacturing swept IL measurements.

Key Features

- CandLband tuning greater than 100 nm
- Naturally low spontaneous emission for high dynamic range
- Internal variable attenuator
- Available as module or related benchtop FLS form
- Mode-hop free continuous sweep class

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Wavelength Range	1510 to 1612 nm
Wavelength Display Resolution	1 pm
Wavelength Uncertainty	plus or minus 15 pm
Effective Spectral Linewidth FWHM Typical	1.3 GHz
Output Power 1515 to 1610 nm	0 dBm
Output Power Band Edge Class	minus 10 dBm
Signal To SSE Dynamic Range Typical	greater than 75 dB
Signal To SSE 1550 to 1610 Typical	80 dB
Signal To Total SSE	45 dB (50 typical)
Internal Attenuator Range	10 dB
Attenuator Linearity Typical	plus or minus 0.3 dB
Maximum Sweep Speed	50 nm/s
Minimum Sweep Speed	2 nm/s
Tuning Time Typical	75 ms
Power Stability 15 min	plus or minus 0.005 dB
Power Stability 1 Hour	plus or minus 0.01 dB
Wavelength Stability 1 Hour Typical	plus or minus 6 pm
Wavelength Repeatability 10 Measurements Typical	plus or minus 2.5 pm
Form Factor Class	IQ modular or FLS benchtop sibling

PARAMETER	VALUE
Intended Use Class	DWDM passive and EDFA characterization
Notes Family numeric values from EXFO IQS-2600B/FLS-2600B tunable laser literature and IQS-2600B user-manual specification tables. IQ-generation IQ-2600 units share this optical family; verify exact firmware revision and faceplate band limits on the unit certificate.	

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
sales@aumictech.com · +1 (484) 841-9341
<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.