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Data Sheet

August 14, 2026

EXFO

Exfo IQ-2400 WDM Laser Source

The EXFO IQ-2400 is a modular DFB WDM laser source for IQ platforms providing ITU-T channel emulation with high wavelength accuracy and stability. OEM datasheet SPIQ2400 rates wavelength uncertainty at plus or minus 0.01 nm on high-accuracy codes, tuning around each grid wavelength, output power to 10 or 13 dBm depending on P-option, and dithering/on-off modulation from 0.010 to 300 kHz. Multiwavelength EDFA and OFA characterization, DWDM passive insertion-loss testing, multiwavelength network simulation, production tone generation with IQ attenuators and OSAs, and long-term wavelength-stable component monitoring. Power Stability 8 h: plus or minus 0.03 dB Relative Humidity: 0 to 95 percent non-condensing Remote Control With IQ 203: GPIB and RS-232 From EXFO IQ-2400 WDM Laser Source datasheet SPIQ2400.3AN. Specs at 23 plus or minus 1 C after 1-hour warm-up unless noted; confirm faceplate band code 02/03/04 and P4-P7 power option.



MODEL

Exfo IQ-2400

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

IQ-2400

LISTING

<https://aumictechlabs.com/products/iq-2400-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO IQ-2400 WDM Laser Source is a precision instrument for testing and characterizing Wavelength Division Multiplexing systems and components. It delivers stable, accurate optical signals across tunable wavelengths in the C-band (1528 nm to 1565 nm) or L-band (1566 nm to 1606 nm), with ± 0.01 nm accuracy and 0.01 nm tuning resolution. The instrument excels at

emulating ITU-T channels for dense WDM applications, enabling multiwavelength network simulations, EDFA characterization with simultaneous multiple inputs, and insertion loss measurements of DWDM passive components. Output power reaches +13 dBm or 10 dBm at the connector with ± 0.3 dB uncertainty and a 10 dB attenuation range. Technical Specifications

Wavelength Performance C-band: 1528 nm to 1565 nm; L-band: 1566 nm to 1606 nm Tuning range: ± 1 nm around ITU-T grid wavelengths Tuning resolution: 0.01 nm Accuracy: ± 0.01 nm Stability (8 hours at 23°C $\pm 1^\circ\text{C}$, 50% RH): ± 0.002 nm typical; ± 0.01 nm after 1-hour warmup Optical Output Power: Up to +13 dBm or 10 dBm at connector output Attenuation range: 10 dB Power uncertainty: ± 0.3 dB Power stability (15 min): ± 0.005 dB Power stability (8 hours): ± 0.03 dB Side mode suppression: 30 dB (40 dB typical) Modulation & Control Modes Dithering mode: 10 Hz to 300 kHz with triangular or square waveforms; amplitude 1 to 5 mA On/Off modulation with maximum optical extinction and external TTL synchronization High-wavelength stability mode with 0.01°C laser temperature and 0.01 mA laser current steps Interfaces Remote: GPIB (IEEE-488.1, 488.2), RS-232, Ethernet TCP/IP (SCPI commands) Local: IQS Manager software Synchronization: External TTL or module output LabVIEW drivers provided Key Features NIST-traceable calibration using wavelength meter and four-channel power meter Wavelength stability of ± 0.002 nm enables wavelength measurement instrument functionality Independent wavelength and power control with 0.01 nm and 0.005 dB short-term stability Multiple operational modes for diverse testing scenarios Typical Applications ITU-T channel emulation in dense WDM testing Multiwavelength network simulation EDFA gain and noise figure characterization DWDM passive component insertion loss measurement Production and research optical network evaluation Compatibility & Integration Remote operation via GPIB, RS-232, or Ethernet TCP/IP with SCPI command support. External TTL synchronization enables coordinated multi-source testing. Remote interlock connector supports security switch or panic button integration.

IQ2400 Characteristics / Specifications

PARAMETER	VALUE
Technical SpecificationsCBand Wavelength Range IQ 24	1528 nm to 1565 nmLBand Wavelength Range IQ 2403: 1566 nm to 1606 nmOBand Example IQ 2400 P4: 1308 plus or minus 5 nm
Wavelength Tuning RangeCLTypical	plus or minus 1 nm
Wavelength Tuning Resolution	0.01 nm
Wavelength Uncertainty High Accuracy Codes	plus or minus 0.01 nm
Wavelength Uncertainty P6 P7 Class	plus or minus 0.02 nm
Wavelength Stability After Warmup	plus or minus 0.002 nm
Output Power P4 P5 Class	10 dBm
Output Power P6 P7 Class	13 dBm
Output Power Attenuation RangeCL	10 dB
Sidemode Suppression	30 dB (40 typical)
Output Power Uncertainty	plus or minus 0.3 dB
Power Stability 15 min	plus or minus 0.005 dB
Power Stability 8 h	plus or minus 0.03 dB
Modulation Frequency	0.010 to 300 kHz
Dither Amplitude Range	1 to 5 mA
Dither Waveform	square or triangular
Size HxWxD	12.25 cm x 3.8 cm x 26.5 cm
Weight	0.580 kg
Operating Temperature	10 C to 40 C
Storage Temperature	minus 40 C to 70 C
Relative Humidity	0 to 95 percent non-condensing
Remote Control With IQ 2	GPIB and RS-232 Notes From EXFO IQ-2400 WDM Laser Source datasheet SPIQ2400.3AN. Specs at 23 plus or minus 1 C after 1-hour warm-up unless noted; confirm faceplate band code 02/03/04 and P4-P7 power option.

PARAMETER	VALUE
Wavelength range	IQ 2402: 1528 nm to 1565 nmLBand Wavelength Range IQ 2403: 1566 nm to 1606 nmOBand Example IQ 2400 P4: 1308 plus or minus 5 nm
Wavelength stability	After Warmup: plus or minus 0.002 nm
Attenuation	RangeCL: 10 dB
Power stability	15 min: plus or minus 0.005 dB
Humidity	0 to 95 percent non-condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 40 C to 70 C
Operating temperature	10 C to 40 C
Operating Temperature	10 C to 40 C
Humidity	0 to 95 percent non-condensing
Relative Humidity	0 to 95 percent non-condensing
Remote Control With IQ 2	GPIB and RS-232 Notes From EXFO IQ-2400 WDM Laser Source datasheet SPIQ2400.3AN. Specs at 23 plus or minus 1 C after 1-hour warm-up unless noted; confirm faceplate band code 02/03/04 and P4-P7 power option.

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

PARAMETER	VALUE
SpecificationsCBand Wavelength Range IQ 2402	1528 nm to 1565 nmLBand Wavelength Range IQ 2403: 1566 nm to 1606 nmOBand Example IQ 2400 P4: 1308 plus or minus 5 nm
Wavelength Tuning RangeCLTypical	plus or minus 1 nm
Wavelength Tuning Resolution	0.01 nm
Wavelength Uncertainty High Accuracy Codes	plus or minus 0.01 nm
Wavelength Uncertainty P6 P7 Class	plus or minus 0.02 nm
Wavelength Stability After Warmup	plus or minus 0.002 nm
Output Power P4 P5 Class	10 dBm
Output Power P6 P7 Class	13 dBm
Output Power Attenuation RangeCL	10 dB
Sidemode Suppression	30 dB (40 typical)
Output Power Uncertainty	plus or minus 0.3 dB
Power Stability 15 min	plus or minus 0.005 dB
Power Stability 8 h	plus or minus 0.03 dB
Modulation Frequency	0.010 to 300 kHz
Dither Amplitude Range	1 to 5 mA
Dither Waveform	square or triangular
Size HxWxD	12.25 cm x 3.8 cm x 26.5 cm
Weight	0.580 kg
Operating Temperature	10 C to 40 C
Storage Temperature	minus 40 C to 70 C
Relative Humidity	0 to 95 percent non-condensing
Remote Control With IQ 203	GPIOB and RS-232

Notes
From EXFO IQ-2400 WDM Laser Source datasheet SPIQ2400.3AN. Specs at 23 plus or minus 1 C after 1-hour warm-up unless noted; confirm faceplate band code 02/03/04 and P4-P7 power option.

Technical Specifications

PARAMETER	VALUE
C Band Wavelength Range IQ 2402	1528 nm to 1565 nm
L Band Wavelength Range IQ 2403	1566 nm to 1606 nm
O Band Example IQ 2400 P4	1308 plus or minus 5 nm
Wavelength Tuning Range C L Typical	plus or minus 1 nm
Wavelength Tuning Resolution	0.01 nm
Wavelength Uncertainty High Accuracy Codes	plus or minus 0.01 nm
Wavelength Uncertainty P6 P7 Class	plus or minus 0.02 nm
Wavelength Stability After Warmup	plus or minus 0.002 nm
Output Power P4 P5 Class	10 dBm
Output Power P6 P7 Class	13 dBm
Output Power Attenuation Range C L	10 dB
Sidemode Suppression	30 dB (40 typical)
Output Power Uncertainty	plus or minus 0.3 dB
Power Stability 15 min	plus or minus 0.005 dB
Power Stability 8 h	plus or minus 0.03 dB
Modulation Frequency	0.010 to 300 kHz
Dither Amplitude Range	1 to 5 mA
Dither Waveform	square or triangular
Size HxWxD	12.25 cm x 3.8 cm x 26.5 cm
Weight	0.580 kg
Operating Temperature	10 C to 40 C
Storage Temperature	minus 40 C to 70 C
Relative Humidity	0 to 95 percent non-condensing
Remote Control With IQ 203	GPIO and RS-232

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.