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Data Sheet
August 14, 2026

EXFO

Exfo IQ-2100 Light Source

The EXFO IQ-2100 Light Source delivers a stabilized optical output at telecom wavelengths. It is used for insertion-loss testing and fiber verification in singlemode networks.

MODEL Exfo IQ-2100	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU IQ-2100	LISTING https://aumictechlabs.com/products/iq-2100-2/

NIST-traceable cal · SAM registered · 30-day returns · NAICS 423690 · 811210 · 541380

This unit

The EXFO IQ-2100 Light Source is a modular optical test instrument that generates stabilized, wavelength-specific output for insertion-loss measurement, fiber verification, and return-loss testing across singlemode and multimode networks. It integrates into the EXFO IQ-200 Optical Test System and serves quality control, calibration, and acceptance testing in laboratory and manufacturing environments. Technical Specifications Emitter Technology Multimode LEDs and temperature-stabilized single-mode Fabry-Perot laser sources Thermoelectric Peltier cooling on laser sources for wavelength stability Precision optical components with low-loss, narrow-beam coupling Wavelengths 850 nm, 1300 nm, 1310 nm, 1550 nm, and 1625 nm configurations available Output Power Control Variable power adjustment over 10 dB range (6 dB for LED sources) 0.1 dB incremental adjustment resolution Full on/off internal modulation at 50% duty cycle with multiple modulation frequencies Key Features Single-operation display screen for wavelength, power, and modulation selection Real-time central wavelength display Configuration storage for multiple power and modulation setups 0.1 dB attenuation control in discrete steps Typical Applications

Insertion-loss and return-loss testing Singlemode and multimode fiber verification Quality control and acceptance testing Laboratory and manufacturing calibration Compatibility & Integration The IQ-2100 operates as a plug-in module within the IQ-200 Optical Test System mainframe or expansion units. It is backward-compatible with IQS-500 and IQ-generation modules and integrates with the IQS-600 Intelligent Test System. Control is available through IQS Manager software (local) or remote operation via GPIB, RS-232, and Ethernet TCP/IP using SCPI commands or LabVIEW drivers. The host system runs on Windows-based PC architecture.

IQ2100 Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	EXFO IQ-2100 optical power meter module
Function	optical power measurement
Platform	IQ-200 / IQS modular mainframe
Detector Type Class	InGaAs or Ge class by option
Wavelength Coverage Class	850 to 1650 nm class by detector
Power Range Class	wide dynamic range class
Uncertainty Class	percent of reading plus floor class per datasheet
Resolution Class	0.001 dB class on IQS PM modules
Remote Control	SCPI via IQS
Connector Interface	EXFO universal UI adapters class
Related IQS Code Class	IQS-2100 family adjacency
Form Factor	IQ module
Display Path	IQS host display
Averaging	selectable class
Offset Entry	yes class
Tone Detection Class	configuration dependent
Operating Temperature Class	IQS platform ambient
Power	powered by IQS mainframe
Calibration Interval Class	per EXFO PM procedures
Manufacturer	per instrument faceplate branding
Documentation Basis	OEM datasheet or operating manual family
Specification Ambient Class	23 C class unless otherwise stated
Operating temperature	Class: IQS platform ambient

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: IQS platform ambient
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Operating Temperature Class	IQS platform ambient
Power	powered by IQS mainframe
Calibration Interval Class	per EXFO PM procedures
Manufacturer	per instrument faceplate branding
Documentation Basis	OEM datasheet or operating manual family
Specification Ambient Class	23 C class unless otherwise stated Notes Identity and capability rows from EXFO IQ/IQS optical power meter family literature for IQ-2100. Confirm detector option power range and uncertainty on the module faceplate and certificate. Existing project file exfo-iqs-2100 may share the IQS-generation table.

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
Instrument Family	EXFO IQ-2100 optical power meter module
Function	optical power measurement
Platform	IQ-200 / IQS modular mainframe
Detector Type Class	InGaAs or Ge class by option
Wavelength Coverage Class	850 to 1650 nm class by detector
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Related IQS Code Class	IQS-2100 family adjacency
Form Factor	IQ module
Display Path	IQS host display
Averaging	selectable class
Offset Entry	yes class
Tone Detection Class	configuration dependent
Operating Temperature Class	IQS platform ambient
Power	powered by IQS mainframe
Calibration Interval Class	per EXFO PM procedures
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Documentation Basis	OEM datasheet or operating manual family
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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

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