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Data Sheet
August 13, 2026

EXFO

Exfo IQS-2150 Optical Light Source

Key Features - Modular IQS-600 light source - LED multimode and DFB singlemode IL/ORL optimized lasers - Dual lasers on one output (selected models) - Variable output 6 dB MM / 8 dB SM - Modulation including Dither mode for ORL - FTTx-ready 1310/1490/1550 nm configurations - Encircled Flux path with SPSB-EF mode conditioner (0012D) - LabVIEW drivers and SCPI remote control Technical Specifications Model: IQS-2150 Manufacturer: EXFO Instrument Type: Modular Optical Light Source Platform: IQS-600 SM attenuation range dB: 8 SM attenuation resolution dB: 0.1 MM attenuation range dB: 6 MM attenuation resolution dB: 0.5 Modulation: 270 Hz; 1 kHz; 2 kHz; Dither (DFB) DFB 0003B wavelength nm: 1550 +/-6.5; output >=3.0 dBm; width <1 nm DFB 0004B wavelength nm: 1625 +/-10; output >=2.0 dBm; width <1 nm DFB 0006B wavelength nm: 1490 +/-6.

MODEL Exfo IQS-2150	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU IQS-2150	LISTING https://aumictechlabs.com/products/iqs-2150-2/

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

This unit

The Exfo IQS-2150 Optical Light Source is a modular precision instrument for testing and characterizing fiber optic components and systems across telecommunications, data center, and research environments. It delivers stable, accurate optical signals using single- or dual-wavelength LED and DFB laser emitters configured for singlemode and multimode fiber types. Steady drive circuitry maximizes output power stability while precision optical coupling ensures

low-loss, narrow-beam efficiency.Technical Specifications Emitter Configuration: Single- or dual-wavelength LED and DFB laser options Fiber Support: Singlemode and multimode Variable Output Power: 6 dB range (multimode), 8 dB range (singlemode) Attenuation Control: 0.5 dB steps (multimode), 0.1 dB steps (singlemode); disabled during modulation mode Output Coupling: Low-loss, narrow-beam design via precision optical components Power Consumption: 5 W Warm-up Time: 30 minutes at 23 °C ± 1 °C; 1 hour recommended for thermal stabilityKey Features FTTx and PON testing at 1310 nm/1490 nm and 1550 nm per ITU-T G.9833 Encircled-Flux (EF) compliance achievable with IQS-2150-0012D (62.5 µm output) paired with EXFO SPSB-EF mode conditioner for 50 µm fiber per IEC-61280-4-1 Ed.2 Dither mode for stable optical return loss (ORL) measurements via spectral broadening Single-operation display for source activation, wavelength selection, power, and modulation configuration Integrated attenuation control with fine resolution for singlemode applicationsTypical Applications Fiber optic component characterization Passive optical network validation Return loss and spectral measurements Telecommunications and data center testing Laboratory and field researchCompatibility & Integration Local control via IQS Manager software (version 4.0 or later) Remote control through GPIB (IEEE-488.1, IEEE-488.2), RS-232, or Ethernet TCP/IP SCPI commands and LabVIEW driver support Platform-based operation within IQS system architecture

IQS2150 Characteristics / Specifications

PARAMETER	VALUE
Model	IQS-2150
Manufacturer	EXFO
Instrument Type	Modular Optical Light Source
Platform	IQS-600
SM attenuation range dB	8
SM attenuation resolution dB	0.1
MM attenuation range dB	6
MM attenuation resolution dB	0.5
Modulation	270 Hz; 1 kHz; 2 kHz; Dither (DFB)
DFB 0003B wavelength nm	1550 +/-6.5; output >=3.0 dBm; width <1 nm
DFB 0004B wavelength nm	1625 +/-10; output >=2.0 dBm; width <1 nm
DFB 0006B wavelength nm	1490 +/-6.5; output >=3.0 dBm; width <1 nm
DFB 0023B wavelengths nm	1310 +/-6.5 / 1550 +/-6.5; output >=2.5 dBm
DFB 0026B wavelengths nm	1310 +/-6.5 / 1490 +/-6.5; output >=2.5 dBm
DFB 0034B wavelengths nm	1550 +/-6.5 / 1625 +/-10; output >=1.5 dBm
DFB stability 15 min dB	+/-0.06 at max power
LED 0012C wavelengths nm	850 +/-25 / 1300 -20/+50; 50 um fiber
LED 0012D wavelengths nm	850 +/-25 / 1300 -20/+50; 62.5 um fiber
LED spectral width 850 nm	30 to 60 nm
LED spectral width 1300 nm	100 to 140 nm
LED output 0012C dBm	>= -25.0
LED output 0012D dBm	>= -21.0
LED stability 15 min dB	+/-0.06
SizeHxWxD	125 mm x 36 mm x 282 mm
Operating temperature	0 C to 40 C

PARAMETER	VALUE
Storage temperature	-30 C to 70 C
Relative humidity	0% to 80% non-condensing
Remote control with IQS 6	GPIB; Ethernet; RS-232
Drivers	LabVIEW and SCPI
Spec condition	23 C +/-1 C FC/UPC after 30 min warm-up
Laser safety	Class 1M laser product
Alias	IQS2150
Product status	discontinued 2021-05-31; support/calibration historically to 2026-05-31 Notes Specs from EXFO IQS-2150 OEM discontinued sheet. Confirm exact source code (0012C/0012D/0003B/0023B/etc.) and EUI connector. Use Dither mode for ORL with narrow DFB sources per OEM guidance.
Optical Return Loss	testing; spectral attenuation in fibers; FTTx component verification at 1310/1490/1550 nm; splicing test stations; stability and PDL related source stimulus; remote SCPI/LabVIEW control in IQS-600 racks.
Attenuation	(6 dB MM / 8 dB SM, 0.1 dB SM steps) and modulation (270 Hz / 1 kHz / 2 kHz plus Dither for ORL) support insertion loss, return loss and FTTx component characterization in automated lab systems.
Humidity	0% to 80% non-condensing
Return loss	and FTTx component characterization in automated lab systems.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	30 C to 70 C
Operating temperature	0 C to 40 C
Operating Temperature	0 C to 40 C
Humidity	0% to 80% non-condensing
Relative humidity	0% to 80% non-condensing
Remote control with IQS 6	GPIB; Ethernet; RS-232
Drivers	LabVIEW and SCPI
Spec condition	23 C +/-1 C FC/UPC after 30 min warm-up
Laser safety	Class 1M laser product
Alias	IQS2150
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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
Model	IQS-2150
Manufacturer	EXFO
Instrument Type	Modular Optical Light Source

Specifications

PARAMETER	VALUE
Platform	IQS-600
SM attenuation range dB	8
SM attenuation resolution dB	0.1

Specifications

PARAMETER	VALUE
MM attenuation range dB	6
MM attenuation resolution dB	0.5
Modulation	270 Hz; 1 kHz; 2 kHz; Dither (DFB)

Specifications

PARAMETER	VALUE
DFB 0003B wavelength nm	1550 +/-6.5; output >=3.0 dBm; width <1 nm
DFB 0004B wavelength nm	1625 +/-10; output >=2.0 dBm; width <1 nm
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Specifications

PARAMETER	VALUE
DFB 0023B wavelengths nm	1310 +/-6.5 / 1550 +/-6.5; output >=2.5 dBm
DFB 0026B wavelengths nm	1310 +/-6.5 / 1490 +/-6.5; output >=2.5 dBm
DFB 0034B wavelengths nm	1550 +/-6.5 / 1625 +/-10; output >=1.5 dBm

Specifications

PARAMETER	VALUE
DFB stability 15 min dB	+/-0.06 at max power
LED 0012C wavelengths nm	850 +/-25 / 1300 -20/+50; 50 um fiber
LED 0012D wavelengths nm	850 +/-25 / 1300 -20/+50; 62.5 um fiber

Specifications

PARAMETER	VALUE
LED spectral width 850 nm	30 to 60 nm
LED spectral width 1300 nm	100 to 140 nm
LED output 0012C dBm	>= -25.0

Specifications

PARAMETER	VALUE
LED output 0012D dBm	>= -21.0
LED stability 15 min dB	+/-0.06
SizeHxWxD	125 mm x 36 mm x 282 mm

Specifications

PARAMETER	VALUE
Operating temperature	0 C to 40 C
Storage temperature	-30 C to 70 C
Relative humidity	0% to 80% non-condensing

Specifications

PARAMETER	VALUE
Remote control with IQS 600	GPIB; Ethernet; RS-232
Drivers	LabVIEW and SCPI
Spec condition	23 C +/-1 C FC/UPC after 30 min warm-up

Specifications

PARAMETER	VALUE
Laser safety	Class 1M laser product
Alias	IQS2150
Product status	discontinued 2021-05-31; support/calibration historically to 2026-05-31

Notes

Specs from EXFO IQS-2150 OEM discontinued sheet. Confirm exact source code (0012C/0012D/0003B/0023B/etc.) and EUI connector. Use Dither mode for ORL with narrow DFB sources per OEM guidance.

Laser Safety

Laser safety: Class 1M laser product Alias: IQS2150 Product status: discontinued 2021-05-31; support/calibration historically to 2026-05-31 Notes Specs from EXFO IQS-2150 OEM discontinued sheet. Confirm exact source code (0012C/0012D/0003B/0023B/etc.) and EUI connector. Use Dither mode for ORL with narrow DFB sources per OEM guidance.

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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