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Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

EXFO

Exfo IQS-5320-EI Multi-Wavelength Meter

The EXFO IQS-5320-EI Multi-Wavelength Meter measures wavelength and power for multiple optical signals simultaneously. Ideal for DWDM systems, it provides high precision, fast response, and supports automated testing via the IQS platform.



MODEL

Exfo IQS-5320-EI

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

IQS-5320-EI

LISTING

<https://aumictechlabs.com/products/iqs-5320-ei-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO IQS-5320-EI is a precision multi-wavelength meter that simultaneously measures wavelength and power across up to 200 multiplexed optical channels. Built around a scanning Michelson interferometer architecture, it delivers wavelength measurement precision at least ten times superior to traditional dispersion-based optical spectrum analyzers. An integrated CW HeNe laser reference ensures long-term accuracy and scan stability, making the instrument suitable for calibration of Fabry-Perot, distributed-feedback, and tunable distributed-Bragg-reflector lasers across manufacturing, R&D, and characterization workflows. Technical Specifications Wavelength Measurement Range: 1450 nm to 1650 nm Absolute accuracy: 3 pm Measurement mechanism: Scanning Michelson interferometer with specialized interferogram-to-spectral conversion algorithms Reference source: Integrated CW HeNe laser Precision advantage: $\geq 10\times$ better than traditional OSAs Power Measurement Simultaneous power measurement alongside wavelength Accuracy guaranteed above -30 dBm (FC connectors, room temperature) Temperature-

dependent specification degradation: ± 0.001 nm over operating range (averaging of 10) Single peak measurement: At 1550 nm, -10 dBm Signal Handling Maximum simultaneous channels: 200 multiplexed signals Measurement rate: 1 Hz maximum Measurement basis: Five-minute period at 2σ Environmental Operating temperature: 5 °C to 40 °C Storage temperature: -40 °C to 70 °C Humidity: 0 % to 95 % non-condensing Dimensions: 12.5 cm H $\times$ 7.4 cm W $\times$ 28.2 cm D Weight: 1.4 kg Key Features Ten-channel slot modularity within IQS-500 Intelligent Test System GPIB communication standard LabVIEW drivers and ActiveX libraries for PC and network integration Backward compatible with most IQ-generation modules Compact form factor suitable for benchtop and rack-mount deployment Typical Applications Laser wavelength calibration and verification DWDM channel characterization Tunable laser testing and commissioning Manufacturing quality assurance and R&D evaluation Compatibility & Integration The IQS-5320-EI integrates into EXFO's IQS-500 modular platform, occupying two IQS slots. Standard GPIB connectivity enables direct instrument control and data acquisition. Software drivers support both LabVIEW and ActiveX environments.

Features & description

From manufacturer datasheet

Polarization Dependence Maximum: plus or minus 0.25 dB

Maximum Input Power: plus 15 dBm OSNR Typical: 29 dB OSNR Minimum: greater than 25 dB Maximum Number Of Signals: 200 Maximum Acquisition Rate: 1 Hz IQS Slot Count: 2 Size HxWxD: 12.5 cm x 7.4 cm x 28.2 cm Weight: 1.4 kg Operating Temperature: 5 C to 40 C Storage Temperature: minus 40 C to 70 C Relative Humidity: 0 percent to 95 percent non-condensing Laser Safety Class: Class 1 Notes Alias slug exfo-iqs-5320-ei maps to IQS-5320 with EXFO EUI (EI) connector interface. Optical rows identical to SPIQS5320.2AN; confirm EI versus EA faceplate code. Specs guaranteed above minus 30 dBm unless noted, FC connectors, room temperature; wavelength uncertainty for averaging of 10.

IQS5320EI Characteristics / Specifications

PARAMETER	VALUE
Wavelength Range	1450 to 1650 nm
Wavelength Uncertainty	plus or minus 0.003 nm
Wavelength Display Resolution	0.001 nm
Wavelength Repeatability	plus or minus 0.001 nm
Minimum Channel Spacing Similar Power	greater than or equal to 12.5 GHz
Minimum Channel Spacing 13 dB Difference	greater than or equal to 25 GHz
Power Range	plus 10 to minus 45 dBm
Power Display Resolution	0.01 dB
Power Uncertainty	plus or minus 0.35 dB
Power Repeatability	plus or minus 0.1 dB
Power Linearity Plus 10 to Minus 20 dBm	plus or minus 0.1 dB
Power Linearity Minus 20 to Minus 30 dBm	plus or minus 0.25 dB
Polarization Dependence Typical	plus or minus 0.2 dB
Polarization Dependence Maximum	plus or minus 0.25 dB
Maximum Input Power	plus 15 dBm
OSNR Typical	29 dB
OSNR Minimum	greater than 25 dB
Maximum Number Of Signals	200
Maximum Acquisition Rate	1 Hz
IQS Slot Count	2
Size HxWxD	12.5 cm x 7.4 cm x 28.2 cm
Weight	1.4 kg
Operating Temperature	5 C to 40 C
Storage Temperature	minus 40 C to 70 C

PARAMETER	VALUE
Relative Humidity	0 percent to 95 percent non-condensing
Laser Safety Class	Class 1
Power linearity	Plus 10 to Minus 20 dBm: plus or minus 0.1 dB
Humidity	0 percent to 95 percent non-condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 40 C to 70 C
Operating temperature	5 C to 40 C
Operating Temperature	5 C to 40 C
Humidity	0 percent to 95 percent non-condensing
Wavelength Range	1450 to 1650 nm
Wavelength Uncertainty	plus or minus 0.003 nm
Wavelength Display Resolution	0.001 nm
Wavelength Repeatability	plus or minus 0.001 nm
Minimum Channel Spacing Similar Power	greater than or equal to 12.5 GHz
Minimum Channel Spacing 13 dB Difference	greater than or equal to 25 GHz
Power Range	plus 10 to minus 45 dBm
Power Display Resolution	0.01 dB
Power Uncertainty	plus or minus 0.35 dB
Power Repeatability	plus or minus 0.1 dB
Power Linearity Plus 10 to Minus 20 dBm	plus or minus 0.1 dB
Power Linearity Minus 20 to Minus 30 dBm	plus or minus 0.25 dB
Polarization Dependence Typical	plus or minus 0.2 dB
Polarization Dependence Maximum	plus or minus 0.25 dB
Maximum Input Power	plus 15 dBm
OSNR Typical	29 dB
OSNR Minimum	greater than 25 dB
Maximum Number Of Signals	200
Maximum Acquisition Rate	1 Hz
IQS Slot Count	2

PARAMETER	VALUE
Size HxWxD	12.5 cm x 7.4 cm x 28.2 cm
Weight	1.4 kg
Relative Humidity	0 percent to 95 percent non-condensing
Laser Safety Class	Class 1 Notes Alias slug exfo-iqs-5320-ei maps to IQS-5320 with EXFO EUI (EI) connector interface. Optical rows identical to SPIQS5320.2AN; confirm EI versus EA faceplate code. Specs guaranteed above minus 30 dBm unless noted, FC connectors, room temperature; wavelength uncertainty for averaging of 10.

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.

environmental stress testing, and calibration support for lower-accuracy wavelength instruments and OSAs.

Key Features

Michelson interferometer wavelength meter with HeNe reference

Up to 200 simultaneous multiplexed channels

Spectrum and bar-graph monitoring plus drift mode

GPiB and LabVIEW or ActiveX integration on IQS-500

3 pm class absolute wavelength uncertainty

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Wavelength Range	1450 to 1650 nm
Wavelength Uncertainty	plus or minus 0.003 nm
Wavelength Display Resolution	0.001 nm
Wavelength Repeatability	plus or minus 0.001 nm
Minimum Channel Spacing Similar Power	greater than or equal to 12.5 GHz
Minimum Channel Spacing 13 dB Difference	greater than or equal to 25 GHz
Power Range	plus 10 to minus 45 dBm
Power Display Resolution	0.01 dB
Power Uncertainty	plus or minus 0.35 dB
Power Repeatability	plus or minus 0.1 dB

Power Linearity Plus 10 to Minus 20 dBm: plus or minus 0.1 dB

Power Linearity Minus 20 to Minus 30 dBm: plus or minus 0.25 dB

Specifications

PARAMETER	VALUE
Polarization Dependence Typical	plus or minus 0.2 dB
Polarization Dependence Maximum	plus or minus 0.25 dB
Maximum Input Power	plus 15 dBm
OSNR Typical	29 dB
OSNR Minimum	greater than 25 dB
Maximum Number Of Signals	200
Maximum Acquisition Rate	1 Hz
IQS Slot Count	2

PARAMETER	VALUE
Size HxWxD	12.5 cm x 7.4 cm x 28.2 cm
Weight	1.4 kg
Operating Temperature	5 C to 40 C
Storage Temperature	minus 40 C to 70 C
Relative Humidity	0 percent to 95 percent non-condensing
Laser Safety Class	Class 1

Notes

Alias slug exfo-iqs-5320-ei maps to IQS-5320 with EXFO EUI (EI) connector interface. Optical rows identical to SPIQS5320.2AN; confirm EI versus EA faceplate code. Specs guaranteed above minus 30 dBm unless noted, FC connectors, room temperature; wavelength uncertainty for averaging of 10.

Laser Safety

Laser Safety Class: Class 1 Notes Alias slug exfo-iqs-5320-ei maps to IQS-5320 with EXFO EUI (EI) connector interface. Optical rows identical to SPIQS5320.2AN; confirm EI versus EA faceplate code. Specs guaranteed above minus 30 dBm unless noted, FC connectors, room temperature; wavelength uncertainty for averaging of 10.

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.