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Data Sheet

August 13, 2026

EXFO

Exfo IQ-1103 Power Meter

Exfo Optical Power Meters. Sensitivity: -75 dBm, Resolution: 0.001 dB, Resolution: 1 nm.



MODEL Exfo IQ-1103	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU IQ-1103	LISTING https://aumictechlabs.com/products/iq-1103-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Exfo IQ-1103 Power Meter delivers precise optical power measurements across fiber optic systems for telecommunications, datacom, and laboratory applications. This modular instrument operates within the EXFO IQ platform, integrating with mainframes such as the IQ-203 and expansion units like the IQ-206 to build multi-channel measurement configurations. The IQ-1103 combines high dynamic range, fast stabilization, and flexible detector options to meet demanding field and bench-top deployment requirements.

Technical Specifications

Detector Options: InGaAs or high-power Ge detectors

Wavelength Range: 800–1700 nm (InGaAs); 750–1700 nm (high-power Ge)

Measurement Range: +9 dBm to -100 dBm with InGaAs (110 dB dynamic range); up to +20 dBm with high-power Ge

Sensitivity: -75 dBm

Power Resolution: 0.001 dB

Linearity: ±0.015 dB

Absolute Uncertainty: ±5% (1000–1640 nm at 0 to -60 dBm); ±0.2 dB general specification. Uncertainty increases outside specified wavelength bands depending on detector type.

Spectral Resolution: 1 nm

Measurement Units: dB, dBm, W

Power Consumption: Below 2.5 W

Dimensions: 220 mm × 115 mm × 55 mm

Weight: 0.5 kg

Key Features

- One-button reference measurement capability
- Configurable wavelength, resolution, offset, sampling rate, and units from a single control window
- Two trigger types for acquisition synchronization
- Continuous monitoring with

flexible sampling rates Display options for unprocessed or averaged values Fast stabilization time Interfaces and Connectivity Software: IQ-1100 Windows-compatible application with user-friendly parameter selection, configuration storage, and online help Data Interface: USB System Expansion: GPIB for multi-system linking and virtually unlimited channel scaling Fiber Connectors: FC, SC, ST, and LC adapter options available Compatibility & Integration The IQ-1103 functions as a plug-in module within the EXFO IQ ecosystem, supporting integration with IQ-203 mainframes and IQ-206 expansion units for scalable multi-channel deployments.

IQ1103 Characteristics / Specifications

PARAMETER	VALUE
Model	IQ-1103
Manufacturer	EXFO
Instrument Type	Optical power meter module (InGaAs)
Detector Type	InGaAs
Detector Size	1 mm
Wavelength Range	800 to 1700 nm
Power Range	+9 to -100 dBm
Absolute Uncertainty	+/-5% (1000 to 1640 nm; 0 to -60 dBm)
Linearity	+/-0.015 dB (0 to -60 dBm)
Power Resolution	0.001 dB (9 to -60 dBm)
Wavelength Resolution	1 nm
Fiber Type	5/125 to 62.5/125 um
Host Platform	IQ-203 / IQ-206; IQS-1100 family
Related GeX Model	IQS-1102X / IQ-1102X (GeX, +20 to -75 dBm)
Dimensions	12.1 cm x 3.8 cm x 26.2 cm (about 4.75 × 1.5 × 10.3 in)
Weight	0.63 kg (1.4 lb)
Operating Temperature	0 to 50 C
Relative Humidity	0% to 80% non-condensing
Connector Adapters	FOA-222 FC; FOA-254 SC; FOA-298 LC (examples)
Alias	IQ-1103; IQS-1103; EXFO IQ-1103 Notes Specs from EXFO IQS-1100 / IQ-1103 discontinued specification literature and reseller tables. Confirm FOA adapter type and mainframe firmware compatibility.
Host	IQ-203 / IQ-206 / IQS-1100 family
Humidity	0% to 80% non-condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 50 C
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Humidity	0% to 80% non-condensing
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Connector Adapters	FOA-222 FC; FOA-254 SC; FOA-298 LC (examples)
Alias	IQ-1103; IQS-1103; EXFO IQ-1103 Notes Specs from EXFO IQS-1100 / IQ-1103 discontinued specification literature and reseller tables. Confirm FOA adapter type and mainframe firmware compatibility.

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	
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Operating Temperature	0 to 50 C
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Connector Adapters: F0A-222 FC; F0A-254 SC; F0A-298 LC (examples)

Alias: IQ-1103; IQS-1103; EXFO IQ-1103

Notes

Specs from EXFO IQS-1100 / IQ-1103 discontinued specification literature and reseller tables. Confirm F0A adapter type and mainframe firmware compatibility.

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.