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Data Sheet

August 2, 2026

EXFO

Exfo IQ-1102X High-Performance Power Meter

Exfo IQ-1102X High-Performance Power Meter The IQ1102X provides a high-performance optical power meter module for the Exfo IQS-500 Intelligent Test System, designed as the IQS-1100 family IQS-1102X / IQ-1102X GeX configuration with 750 to 1700 nm coverage and laboratory-grade linearity and resolution. Modular optical power measurement in IQS-500 automated test sequences; absolute and relative power verification across telecom and extended wavelengths; amplifier and component characterization with high linearity; integration into multi-module Exfo test platforms alongside OSA and laser modules. The IQ1102X provides a high-performance optical power meter module for the Exfo IQS-500 Intelligent Test System, designed as the IQS-1100 family IQS-1102X / IQ-1102X GeX configuration with 750 to 1700 nm coverage and laboratory-grade linearity and resolution. Modular optical power measurement in IQS-500 automated test sequences; absolute and relative power verification across telecom and extended wavelengths; amplifier and component characterization with high linearity; integration into multi-module Exfo test platforms alongside OSA and laser modules.



MODEL

Exfo IQ-1102X

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

IQ-1102X

LISTING

<https://aumictechlabs.com/products/iq-1102x-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Exfo IQ-1102X is an optical power meter module engineered for precise measurements across the near-infrared spectrum. This plug-in module integrates into Exfo IQ-203 and IQ-206 mainframe platforms, delivering 110 dB dynamic range and 0.001 dB power resolution for demanding test applications. The GeX detector with 2 mm active area spans 750 nm to 1700 nm, supporting power levels from +20 dBm to -75 dBm with linearity of ± 0.015 dB (from +10 dBm to -35 dBm) and absolute uncertainty of $\pm 5\%$ (1000 nm to 1650 nm) or ± 0.2 dB.

Technical Specifications
Detector type: GeX (2 mm diameter) Wavelength range: 750 nm to 1700 nm Power measurement range: +20 dBm to -75 dBm Linearity: ± 0.015 dB (from +10 dBm to -35 dBm) Absolute uncertainty: $\pm 5\%$ (1000 nm to 1650 nm); ± 0.2 dB Power resolution: 0.001 dB Dynamic range: 110 dB Operating temperature: 0 °C to 50 °C Relative humidity: 0% to 80% non-condensing Dimensions: 12.1 cm × 3.8 cm × 26.2 cm Weight: 0.63 kg

Key Features
Modular architecture supports up to 27 modules within IQ-203/IQ-206 platforms Multiple fiber-optic connector adapters: FC (FOA-222), SC (FOA-254), LC (FOA-298), plus SMA 906, DIN 47256, ST, Diamond, E-2000, and Utility options GPIB, RS-232, and Ethernet TCP/IP connectivity with SCPI command and LabVIEW driver support IQ-1100 Windows software application for configuration, wavelength selection, sampling rate adjustment, and data storage in absolute (dBm or watt) or averaged formats

Typical Applications
Insertion loss measurements Continuous optical power monitoring High-power level characterization within extended wavelength ranges

Compatibility & Integration
Fully compatible with Exfo IQ-203 and IQ-206 mainframe platforms. Remote control via GPIB, RS-232, or Ethernet TCP/IP ensures flexible system integration.

Features & description

From manufacturer datasheet

Features

- One-slot IQS-500 high-performance power meter module
- IQS-1100 family module: IQS-1102X / IQ-1102X GeX
- Wavelength range 750 to 1700 nm
- Power range approximately +20 to -75 dBm
- Linearity ± 0.015 dB; uncertainty $\pm 5\%$
- Resolution 0.001 dB
- Host platform: IQS-500 Intelligent Test System

IQ1102X Characteristics / Specifications

PARAMETER	VALUE
Model	IQ-1102X (OEM IQS-1102X)
Manufacturer	Exfo
Instrument Type	High-Performance Optical Power Meter Module
Host Platform	IQS-500 Intelligent Test System
Module Family	IQS-1100
Detector Configuration	GeX (IQS-1102X / IQ-1102X)
Wavelength Range	750 to 1700 nm
Power Range	Approximately +20 to -75 dBm
Linearity	±0.015 dB
Measurement Uncertainty	±5%
Resolution	0.001 dB
Alias	IQ1102X / IQS1102X Standard Operating Conditions Install in IQS-500 mainframe with recognized module slot and software support. Select calibrated wavelength and allow detector settling before precision readings. Operate within rated optical input levels per module faceplate.
IQS-1100 family module	IQS-1102X / IQ-1102X GeX

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.

Performance Power Meter

Overview

The IQ1102X provides a high-performance optical power meter module for the Exfo IQS-500 Intelligent Test System, designed as the IQS-1100 family IQS-1102X / IQ-1102X GeX configuration with 750 to 1700 nm coverage and laboratory-grade linearity and resolution.

Applications

Modular optical power measurement in IQS-500 automated test sequences; absolute and relative power verification across telecom and extended wavelengths; amplifier and component characterization with high linearity; integration into multi-module Exfo test platforms alongside OSA and laser modules.

Key Features

- One-slot IQS-500 high-performance power meter module
- IQS-1100 family module: IQS-1102X / IQ-1102X GeX
- Wavelength range 750 to 1700 nm
- Power range approximately +20 to -75 dBm
- Linearity ± 0.015 dB; uncertainty $\pm 5\%$
- Resolution 0.001 dB
- Host platform: IQS-500 Intelligent Test System

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	IQ-1102X (OEM IQS-1102X)
Manufacturer	Exfo
Instrument Type	High-Performance Optical Power Meter Module
Host Platform	IQS-500 Intelligent Test System
Module Family	IQS-1100
Detector Configuration	GeX (IQS-1102X / IQ-1102X)
Wavelength Range	750 to 1700 nm
Power Range	Approximately +20 to -75 dBm
Linearity	± 0.015 dB
Measurement Uncertainty	$\pm 5\%$
Resolution	0.001 dB
Alias	IQ1102X / IQS1102X

Standard Operating Conditions

Install in IQS-500 mainframe with recognized module slot and software support. Select calibrated wavelength and allow detector settling before precision readings. Operate within rated optical input levels per module faceplate.

Operational Notes

Exfo catalog uses both IQ- and IQS- prefixes for the same module family—IQS-1102X is the OEM designation; IQ-

1102X appears in legacy and reseller references. Confirm module ID in host software when configuring test plans. Alias IQ1102X / IQS1102X.

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.