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Data Sheet

August 14, 2026

EXFO

Exfo IQS-1710 1-Channel Power Meter

Exfo Optical Power Meters. Dynamic range: 80 dB, Accuracy: typical polarization-dependent responsivity of ± 0 .



MODEL

Exfo IQS-1710

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

IQS-1710

LISTING

<https://aumictechlabs.com/products/iqs-1710-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Exfo IQS-1710 is a single-channel optical power meter module engineered for integration into the Exfo IQS-600 Integrated Qualification System. This modular instrument delivers fast, accurate power measurements across laboratory and field environments by pairing with compatible optical heads from the OHS-1700 series. The platform emphasizes high-speed acquisition, flexible display options, and straightforward operation within a standardized test framework. Technical Specifications Measurement Performance Continuous-mode peak acquisition speed: up to 5208 acquisitions per second Sampling rate: up to 5208 Hz Stabilization time: 300 μ s Dynamic range: 80 dB Accuracy: typical polarization-dependent responsivity of ± 0.008 dB (0 dBm to -50 dBm); wavelength and connector type affect final uncertainty values Data Acquisition Continuous mode operation Min/Max acquisition tracking over user-defined timespans Virtual channels for real-time power ratio calculations and referencing Graph mode with simultaneous display of up to four curves Electrical Power measurement unit: configurable (Absolute or Reference mode) Electronic dark current nulling supported Key Features Individually calibrated optical heads enable

interchangeability without accuracy loss User-configurable measurement displays optimized for real-time analysis Remote control via GPIB (IEEE-488.1, IEEE-488.2), Ethernet, or RS-232 when integrated with IQS-600 Instrument drivers: LabVIEW, SCPI commands, COM/DCOM library drivers Physical Characteristics Dimensions & Weight Module dimensions: 125 mm × 36 mm × 282 mm (4 15/16 in × 1 7/16 in × 11 1/8 in) Module weight: 0.64 kg (1.4 lb) Environmental Operating temperature: 0 °C to 40 °C (32 °F to 104 °F); maximum 30 °C for optical power > 35 dBm; maximum 25 °C with FOA-396 attenuator Storage temperature: -40 °C to 70 °C (-40 °F to 158 °F) Relative humidity: 0 % to 80 % non-condensing Compatibility & Integration Host system: Exfo IQS-600 Integrated Qualification System. Compatible optical heads (OHS-1700 series) required for operation; sold separately.

IQS1710 Characteristics / Specifications

PARAMETER	VALUE
Interface Module Family	IQS-1710/1720/1740
Uncertainty GeX Class	+/- (5% + 10 nW)
Uncertainty InGaAs Class	+/- (5% + 2 pW)
Linearity GeX Class	+/-0.015 dB (10 dBm to -30 dBm)
Linearity InGaAs Class	+/-0.015 dB (5 dBm to -55 dBm)
Power Resolution GeX	0.001 dB (25 dBm to -20 dBm)
Power Resolution InGaAs	0.001 dB (8 dBm to -50 dBm)
Wavelength Resolution	0.01 nm
Stabilization Time	0.3 ms
Sampling Rate	up to 5208 samples/s/channel
Optical Heads Required	yes (OHS-1700 series)
Family Channel Counts	1 / 2 / 4 for 1710 / 1720 / 1740
Wavelength range	800 to 1660 nm

IQS1710 Specifications

PARAMETER	VALUE
Key Features	Works with OHS-1700 optical heads including ultra-high-power heads
Up to 5208 samples/s/channel acquisition	0.001 dB power resolution class
Technical Specifications	Interface Module Family: IQS-1710/1720/1740

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 Interface

Overview

The EXFO IQS-1710 is a high-performance interface module in the IQS-1700 series for use with OHS-1700 optical heads, providing one-channel power measurement in IQS platforms. OEM specification sheets list GeX and InGaAs detector configurations with power ranges such as 25 to -50 dBm (GeX) or 8 to -87 dBm (InGaAs), +/-0.015 dB linearity class, and sampling rates up to 5208 samples/s/channel.

Applications

High-speed absolute and relative optical power measurement in IQS automated test systems, multi-head optical-head architectures, and manufacturing insertion-loss or power monitoring.

Key Features

Works with OHS-1700 optical heads including ultra-high-power heads
Up to 5208 samples/s/channel acquisition
0.001 dB power resolution class
0.3 ms stabilization time
One-, two-, and four-channel family members (1710/1720/1740)

Technical Specifications

Interface Module Family: IQS-1710/1720/1740
IQS-1712X Detector Type: GeX
IQS-1712X Detector Size: 2 mm
IQS-1712X Wavelength Range: 800 to 1660 nm
IQS-1712X Power Range: 25 to -50 dBm
IQS-1713 Detector Type: InGaAs
IQS-1713 Detector Size: 1 mm
IQS-1713 Wavelength Range: 800 to 1700 nm
IQS-1713 Power Range: 8 to -87 dBm
OHS-1713-UH Power Range: 37 to -55 dBm
OHS-1713-UH Wavelength Range: 930 to 1660 nm

Specifications

PARAMETER	VALUE
Uncertainty GeX Class	+/- (5% + 10 nW)
Uncertainty InGaAs Class	+/- (5% + 2 pW)
Linearity GeX Class	+/-0.015 dB (10 dBm to -30 dBm)
Linearity InGaAs Class	+/-0.015 dB (5 dBm to -55 dBm)
Power Resolution GeX	0.001 dB (25 dBm to -20 dBm)
Power Resolution InGaAs	0.001 dB (8 dBm to -50 dBm)
Wavelength Resolution	0.01 nm
Stabilization Time	0.3 ms
Sampling Rate	up to 5208 samples/s/channel
Optical Heads Required	yes (OHS-1700 series)

OHS-1713-UH Uncertainty Class: +/- (4% + 3 nW)
OHS-1713-UH Linearity High Power Class: +/-0.11 dB (35 to 30 dBm)
OHS-1713-UH Power Resolution: 0.001 dB (37 to -25 dBm)

Channel Count IQS-1710: 1

Family Channel Counts: 1 / 2 / 4 for 1710 / 1720 / 1740

Notes

From EXFO IQS-1700/OHS-1700 Power Meter and Optical Head Series specification sheet. IQS-1710 is the one-channel interface; detector limits depend on the attached optical head model.

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.