


Aumictech

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

EXFO

EXFO IQ-203 Optical Test System W/ IQ-2100,IQ5100,IQ3400B

A three-module IQ-203 setup combining a stabilized light source, multi-channel meter, and high-speed analyzer for comprehensive fiber-optic characterization and measurement workflows.



MODEL

Exfo IQ-203/IQ-2100/IQ5100/IQ3400B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

IQ-203/IQ-2100/IQ5100/IQ3400B

LISTING

<https://aumictechlabs.com/products/iq-203-iq-2100-iq5100-iq3400b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The EXFO IQ-203 Optical Test System is a modular platform for laboratory and manufacturing fiber-optic characterization. This configuration combines the IQ-203 mainframe with three core modules: the IQ-2100 light source for stable wavelength-selectable output, the IQ-5100 polarization controller for signal state manipulation, and the IQ-3400B PDL/OL meter for precision loss and polarization measurements. The system houses up to three modules in the mainframe with expandability to 27 total modules via IQ-206 expansion units. Windows-compatible software provides manual and automated measurement control, data analysis, and reporting capabilities. Technical Specifications IQ-2100 Light Source Operating wavelengths: 850 nm, 1300 nm, 1310 nm, 1550 nm Output power adjustment: 10 dB range (6 dB for LED sources) in 0.1 dB increments Modulation frequencies: 270 Hz, 1 kHz, 2 kHz Stability (Fabry-Perot TEC lasers):

± 0.003 dB over 15 minutes; ± 0.03 dB over 8 hours IQ-3400B PDL/OL Meter Measurement resolution: 0.001 dB Measurement capabilities: PDL, insertion loss, optical return loss, excess loss, coupling ratio, polarization-dependent coupling ratio System Architecture IQ-203 mainframe: accommodates up to three single-slot modules IQ-206 expansion unit: houses up to six modules Maximum configuration: 27 total modules Key Features Thermo-electric cooled laser sources for wavelength stabilization IQ-5100 polarization controller supports manual and random scanning modes Local and remote control capability PC-based architecture with Pentium MMX microprocessor Flexible component characterization via scanning methodology Connector loss detection including ORL-induced losses from scratched connectors Typical Applications Fiber-optic component characterization in laboratory environments Manufacturing quality assurance and testing workflows Polarization-dependent loss assessment Insertion loss and optical return loss measurements Compatibility & Integration System operates with Windows-compatible software for both manual and automated measurement workflows. Modular architecture allows independent control of expansion units via IQ-206 PC expansion card or direct IQ-203 mainframe control.

Features & description

From manufacturer datasheet

Features

- IQ-203 PC-based control unit with three module slots
- Expandable with up to four IQ-206 six-slot expansion units (27 modules max)
- Windows Visual IQ applications and OLE/OCX controls
- Optional GPIB device/controller, Ethernet, RS-232
- IQ-2100 modular light source family for IL/continuity stimulus
- IQ-5100 fiber-based polarization controller (no mechanical parts class)
- IQ-3400B high-speed PDL/OL meter with 0.001 dB resolution class
- LabVIEW drivers and SCPI remote control options

Applications

- Modular optical component qualification and production test
- Polarization-dependent loss and insertion-loss characterization
- Multi-wavelength light-source stimulus for IL/ORL setups
- Automated GPIB/LabVIEW optical test sequences
- Scalable DWDM passive and coupler characterization benches

Polarization activation dependent loss typical class: 0.006 dB

Platform discontinued date: 2005-09-01 Platform end of service: 2010-09-01 Remote interfaces: GPIB; RS-232; optional Ethernet Software environment: Windows based IQ-200 / Visual IQ Notes Combo densified from EXFO IQ-200 series platform datasheet and IQ-3400B / IQ-5100 reseller OEM tables. Confirm exact installed module option codes (wavelengths, connectors, memory, GPIB) on the chassis; IQ-2100 launch power and wavelength depend on the specific source card.

IQ203IQ2100IQ5100IQ3400B Characteristics / Specifications

PARAMETER	VALUE
Model	IQ-203 combo with IQ-2100 / IQ-5100 / IQ-3400B
Manufacturer	EXFO
Instrument Type	Modular Optical Test System Combo Listing
Alias	IQ-200 Optical Test System; IQ-203 mainframe combo
Control unit model	IQ-203
CPU class	Pentium MMX 200 MHz
RAM standard	32 MB
Hard drive class	greater than 10 GB with Windows 98 class installs
Control unit power	100 VA at 115/230 VAC 50/60 Hz
Control unit dimensions	14.5 cm x 36 cm x 30.5 cm
Control unit weight	5.3 kg
Built in LCD resolution	640 × 480
External monitor resolution	1024 × 768
Control unit operating temperature	0 C to 50 C
Control unit storage temperature	-20 C to 60 C
Control unit humidity	less than or equal to 80% non-condensing
Module slots in control unit	3
Expansion unit model	IQ-206
Expansion slots per unit	6
Max modules with four expansions	27
Expansion unit power	175 VA at 115/230 VAC 50/60 Hz
Expansion unit weight	3.5 kg
PDL meter wavelength range	1200 nm to 1625 nm
PDL meter resolution	0.01 / 0.001 dB
PDL meter fiber type	9/125 μm

PARAMETER	VALUE
PDL absolute accuracy	±0.015 dB + 5% of PDL
PDL repeatability	±0.0025 dB + 5% of PDL
PDL range	0.015 dB to 5 dB (to 20 dB with DFB option)
PDL measurement rate	2500 samples per second
PDL measurement speed typical	5 s
Insertion loss accuracy	±0.05 dB
ORL dynamic range	0 to -45 dB
Polarization controller wavelength range class	1260 nm to 1650 nm
Polarization activation dependent loss typical class	0.006 dB
Platform discontinued date	2005-09-01
Platform end of service	2010-09-01
Remote interfaces	GPIB; RS-232; optional Ethernet
Software environment	Windows based IQ-200 / Visual IQ Notes Combo densified from EXFO IQ-200 series platform datasheet and IQ-3400B / IQ-5100 reseller OEM tables. Confirm exact installed module option codes (wavelengths, connectors, memory, GPIB) on the chassis; IQ-2100 launch power and wavelength depend on the specific source card.
Wavelength range	1200 nm to 1625 nm
Storage temperature	20 C to 60 C
Operating temperature	0 C to 50 C
Humidity	less than or equal to 80% non-condensing
Fiber type	9/125 µm

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	20 C to 60 C
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Operating Temperature	0 C to 50 C
Humidity	less than or equal to 80% non-condensing
Control unit storage temperature	-20 C to 60 C
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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	
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Platform end of service	2010-09-01
Remote interfaces	GPIB; RS-232; optional Ethernet
Software environment	Windows based IQ-200 / Visual IQ

Notes

Combo densified from EXFO IQ-200 series platform datasheet and IQ-3400B / IQ-5100 reseller OEM tables. Confirm exact installed module option codes (wavelengths, connectors, memory, GPIB) on the chassis; IQ-2100 launch power and wavelength depend on the specific source card.

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 ·
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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.