

**Aumictech**

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Data Sheet

August 13, 2026

EXFO

Exfo PM-1623 800nm Fiber Optic Optical Power Meter

Key Features - InGaAs detector; 800 to 1700 nm - High speed with analog output and external trigger - Programmable acquisitions up to 1024 samples - Calibration factors applicable at any wavelength - 1- or 2-detector configurations in PM-1600 family Technical Specifications

Model: PM-1623 Manufacturer: EXFO Instrument Type: High speed optical power meter Alias: EXFO PM-1623; PM1623 Detector Type: InGaAs Detector Size: 1 mm Wavelength Range: 800 nm to 1700 nm High End Wavelength Limit: 1700 nm Power Range: +9 dBm to -80 dBm Uncertainty: plus/minus 5 percent (0 dBm to -55 dBm) Linearity: plus/minus 0.015 dB (0 dBm to -55 dBm) Noise Peak To Peak: 3 pW Power Resolution: 0.001 dB (9 dBm to -40 dBm) Wavelength Resolution: 0.



MODEL

Exfo PM-1623

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PM-1623

LISTING

<https://aumictechlabs.com/products/pm-1623-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Exfo PM-1623 is a handheld optical power meter designed for precise measurements at 800 nm wavelength in fiber optic networks. It delivers the measurement accuracy and field reliability required for installation, commissioning, and maintenance of optical communication systems. The

meter displays power in multiple units - dBm, W, nW, and μ W - work in their preferred notation during signal verification and network troubleshooting.

Features & description

From manufacturer datasheet

Features

- InGaAs detector; 800 to 1700 nm
- High speed with analog output and external trigger
- Programmable acquisitions up to 1024 samples
- Calibration factors applicable at any wavelength
- 1- or 2-detector configurations in PM-1600 family

Polarization Dependent Response Options: low-PDR and wide-area detector options in family

Connector Interfaces: interchangeable connector types supported Nulling: front-panel nulling and setup Display: simultaneous power measurements and advanced menus Integration Use: extensive automation and continuous monitoring Notes Numeric rows from EXFO PM-1623 / PM-1600 family published specification tables (STEMart/OEM listings). Confirm single versus dual detector faceplate marking and connector adapters before metrology use.

PM1623 Characteristics / Specifications

PARAMETER	VALUE
Model	PM-1623
Manufacturer	EXFO
Instrument Type	High speed optical power meter
Alias	EXFO PM-1623; PM1623
Detector Type	InGaAs
Detector Size	1 mm
Wavelength Range	800 nm to 1700 nm
High End Wavelength Limit	1700 nm
Power Range	+9 dBm to -80 dBm
Uncertainty	plus/minus 5 percent (0 dBm to -55 dBm)
Linearity	plus/minus 0.015 dB (0 dBm to -55 dBm)
Noise Peak To Peak	3 pW
Power Resolution	0.001 dB (9 dBm to -40 dBm)
Wavelength Resolution	0.01 nm
Measurement Units	dB; dBm; Watt
Number Of Detectors	1 or 2
Acquisition Samples Maximum	1024
Analog Output	yes
External Trigger	yes
Size	117 mmHx 222 mmWx 333 mmDNet Weight: 2.8 kg (6.2 lb)
Related Family	PM-1600 high-speed power meters; PM-1100 series
Polarization Dependent Response Options	low-PDR and wide-area detector options in family
Connector Interfaces	interchangeable connector types supported
Nulling	front-panel nulling and setup
Display	simultaneous power measurements and advanced menus

PARAMETER	VALUE
Integration Use	extensive automation and continuous monitoring

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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Integration Use	extensive automation and continuous monitoring
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Notes

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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.