

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

EXFO

Exfo EX1 FTTH and Business Services Tester

The Exfo EX1 is a compact and versatile tester designed for FTTH and business services. It offers essential testing capabilities for technicians deploying and troubleshooting fiber optic networks and Ethernet services. With its user-friendly interface and solid feature set, the EX1 ensures efficient and accurate testing for optimal network performance.



MODEL

Exfo EX1

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

EX1

LISTING

<https://aumictechlabs.com/products/ex1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO EX1 is a pocket-sized fiber and business services tester engineered for FTTH deployment and troubleshooting. Controlled via Android or iOS smart devices, it delivers Gigabit Ethernet speed validation, GPON/XGS-PON ONT emulation, and integrated WiFi testing - all in a single compact platform. Technical Specifications Ethernet Performance Validates full line rate Gigabit Ethernet speeds via RJ45 electrical, SFP optical, or WiFi interfaces Measures download/upload throughput up to 1000 Mbit/s Captures latency performance metrics Powered by Speedtest® by Ookla® algorithm RJ45 port supports 10/100/1000 Mbit/s (10/100 Mbit/s capabilities limited to hardware revisions B and C) GPON/XGS-PON Testing Emulates GPON ONT and XGS-PON ONT for installation validation and troubleshooting Measures optical power, PON ID, OLT optical TX power, ONT optical RX power, ODN loss, and ONT operational status Requires EXFO-qualified SFP GPON ONT transceiver (GPON) or SFP+ XGS-PON ONT transceiver (XGS-PON) SFP port for 1 GE optical connectivity WiFi Testing Dedicated WiFi chipset for

comprehensive analysis Supports 2.4 GHz and 5.0 GHz frequency bands WiFi channel mapping to analyze access points, signal strength, and channel utilization

Key Features

Smart Device Control: Fully managed via Android 6.0+ or iOS 10+ devices; intuitive application for setup, testing, and reporting

Configurable Thresholds: Adjustable pass/fail criteria aligned with subscriber service plans

Reporting: Generates "birth certificates" proving delivered speeds in PDF, JSON, XML, or CSV formats

Cloud Integration: Firmware upgrades and report storage via EXFO Exchange with automated compliance checks and team visibility

Active Verifier Support: Hosts EXFO's Active Verifier VNF for L3-L7 performance testing - 100+ to 140 performance tests including IP connectivity, VoIP qualification, and internet experience validation

API Automation: Extensive API support for workflow integration

Typical Applications

FTTH network deployment and validation

Business Ethernet service commissioning

ONT troubleshooting and PON performance verification

WiFi coverage optimization and access point placement

Speed tier verification and SLA compliance documentation

Compatibility & Integration Control: Android 6.0 or higher, iOS 10 or higher (recommended)

Optical interfaces: SFP transceiver ports

Electrical interface: RJ45

Ethernet Wireless: Built-in WiFi chipset

Cloud platform: EXFO Exchange for centralized data management

Features & description

From manufacturer datasheet

Features

- Five calibrated wavelengths (A models): 780/850/1300/1310/1550 nm

Applications

- Transmitter power measurements (dBm)

EX1 Characteristics / Specifications

PARAMETER	VALUE
Model	FOT-10 / FOT-10A
Manufacturer	EXFO
Instrument Type	Handheld Optical Power Meter
Alias	FOT-10A; FOT-12A; FOT-12AX; FOT family
Detector type Ge	Ge (2 mm)
Detector type GeX	GeX (2 mm) high power
Calibrated wavelengths	780, 850, 1300, 1310, 1550 nm
Measurement range Ge	6 to -60 dBm (at 1300 nm)
Measurement range GeX	21 to -50 dBm (at 1300 nm)
Resolution	0.05 dB (at -35 dBm power level)
Uncertainty	±5% (NIST traceable, at -35 dBm)
Power display FOT 10A	dBm
Tone detection	2 kHz
Battery	9 V alkaline
Battery life	over 14 hours
Size	22.2 cm x 10.3 cm x 5.9 cm
Weight unit	0.56 kg (1.25 lb)
Weight shipping	1.8 kg (4 lb)
Operating temperature	-10 C to 40 C (14 F to 104 F)
Fiber compatibility	singlemode and multimode
Offset nulling	electrical offset nulling feature
Custom calibration	custom wavelength free of charge (OEM policy)
Standard accessories	user guide, carrying case, 9 V battery, AC adapter, connector adapter, holster, shoulder strap, calibration certificate
Connector adapters	FOA series (FC, SC, ST, LC, and others)
Ordering Ge example	FOT-12A

PARAMETER	VALUE
Ordering GeX example	FOT-12AX
Companion sources	FOS-120A / FLS-130A family
Form	handheld field power meter Notes Specs from EXFO FOT-10A/FOT-20A handheld power meters datasheet. Confirm Ge vs GeX detector and exact FOT-12A/12AX faceplate; non-A FOT-10 units may have three calibrated wavelengths.
Five calibrated wavelengths (A models)	780/850/1300/1310/1550 nm

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	10 C to 40 C (14 F to 104 F)
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Fiber compatibility	singlemode and multimode
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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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Ordering Ge example: FOT-12A

Ordering GeX example: FOT-12AX

Companion sources: FOS-120A / FLS-130A family

Form: handheld field power meter

Notes

Specs from EXFO FOT-10A/FOT-20A handheld power meters datasheet. Confirm Ge vs GeX detector and exact FOT-12A/12AX faceplate; non-A FOT-10 units may have three calibrated wavelengths.

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

788 S 500 E, Pleasant Grove, UT 84062
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<https://aumictechlabs.com>

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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.