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Data Sheet

August 2, 2026

EXFO

Exfo FOT-22 Power Meter

The Exfo FOT22 is a handheld optical power meter from the FOT-20A family, providing calibrated absolute and relative optical power measurements for laboratory and field fiber-optic work with NIST-traceable calibration. Fiber-optic link power verification and loss budgeting; installation and maintenance of telecom and datacom networks; calibration cross-checks for optical sources and receivers; field measurements at common telecom wavelengths (780 through 1550 nm class). Instrument Type: Handheld Optical Power Meter Variant FOT-22A: Ge detector, 2 mm aperture; measurement range +6 to -60 dBm Variant FOT-22AX: GeX high-power detector; measurement range +21 to -50 dBm Calibrated Wavelengths: 780, 850, 1300, 1310, 1550 nm



MODEL

Exfo FOT-22

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FOT-22

LISTING

<https://aumictechlabs.com/products/fot-22-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO FOT-22 is a handheld optical power meter designed for field measurement of signal power across fiber optic networks. It delivers precise power assessment for installation, maintenance, and troubleshooting of optical infrastructure, combining wide measurement range with multi-wavelength calibration and tone detection capability. The instrument features an InGaAs detector, backlit LCD display, and onboard data storage with USB connectivity for field engineers and technicians requiring field-deployable optical diagnostics. Technical Specifications Optical Measurement Power Measurement Range: -50 dBm to +26 dBm Detector Type: InGaAs

Calibrated Wavelengths: 850 nm, 980 nm, 1300 nm, 1310 nm, 1490 nm, 1550 nm, 1625 nm
Measurement Uncertainty: $\pm 5\%$ or ± 0.2 dB (typical) Resolution: 0.01 dB Display Units: dBm, mW, nW, dB Detection Capabilities Tone Detection: 270 Hz, 330 Hz, 1 kHz, 2 kHz modulated signals
Auto-Wavelength Recognition: Compatible light source identification Reference Power Measurement: Settable and storable baseline for relative loss calculations Power and Battery
Battery Type: Rechargeable Lithium-ion Battery Life: Up to 40 hours continuous operation (typical) Charging: USB port Environmental Operating Temperature: -10°C to $+50^{\circ}\text{C}$ Storage Temperature: -40°C to $+70^{\circ}\text{C}$ Relative Humidity: 0% to 95% non-condensing Weight: Approximately 300 grams

Key Features Compact handheld form factor for single-handed operation Interchangeable optical connectors (FC, SC, LC) with standard 2.5 mm ferrule Onboard measurement data storage with Mini-USB export Backlit LCD display for variable lighting conditions Intuitive button-based navigation and control

Typical Applications Fiber optic network installation and commissioning In-service power loss verification and troubleshooting Optical signal quality assessment across C-band and L-band wavelengths Multi-wavelength loss budget validation

Compatibility & Integration The FOT-22 operates with standard modulated light sources (270 Hz, 330 Hz, 1 kHz, 2 kHz) for automated wavelength recognition. It supports common fiber optic connector types through standard 2.5 mm ferrule adapters and transfers measurement data via Mini-USB interface.

Features & description

From manufacturer datasheet

Features

- Handheld optical power meter (FOT-20A family)
- FOT-22A: germanium detector, 2 mm aperture, +6 to -60 dBm range
- FOT-22AX: GeX high-power detector, +21 to -50 dBm range
- Calibration wavelengths: 780, 850, 1300, 1310, 1550 nm
- Resolution: 0.05 dB
- NIST-traceable calibration
- Compact field instrument form factor

FOT Characteristics / Specifications

PARAMETER	VALUE
Model	FOT-22 (FOT-20A family)
Manufacturer	Exfo
Instrument Type	Handheld Optical Power Meter
Family	FOT-20A
Calibrated Wavelengths	780, 850, 1300, 1310, 1550 nm
Display Resolution	0.05 dB
Calibration	NIST-traceable Standard Operating Conditions Operate within detector saturation and sensitivity limits for the installed head variant. Allow warm-up and zeroing per Exfo procedure before absolute measurements. Protect detector aperture from contamination and mechanical damage.
FOT-22A	germanium detector, 2 mm aperture, +6 to -60 dBm range
FOT-22AX	GeX high-power detector, +21 to -50 dBm range
Calibration wavelengths	780, 850, 1300, 1310, 1550 nm
Resolution	0.05 dB

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

Specifications

PARAMETER	VALUE
Model	FOT-22 (FOT-20A family)
Manufacturer	Exfo
Instrument Type	Handheld Optical Power Meter
Family	FOT-20A

Variant FOT-22A: Ge detector, 2 mm aperture; measurement range +6 to -60 dBm

Variant FOT-22AX: GeX high-power detector; measurement range +21 to -50 dBm

Specifications

PARAMETER	VALUE
Calibrated Wavelengths	780, 850, 1300, 1310, 1550 nm
Display Resolution	0.05 dB
Calibration	NIST-traceable

Standard Operating Conditions

Operate within detector saturation and sensitivity limits for the installed head variant. Allow warm-up and zeroing per Exfo procedure before absolute measurements. Protect detector aperture from contamination and mechanical damage.

Operational Notes

Catalog designation FOT-22 may refer to either the standard Ge (FOT-22A) or high-power GeX (FOT-22AX) variant-confirm detector type and dynamic range from the faceplate model suffix before use. High-power GeX heads extend upper range but sacrifice low-end sensitivity compared to FOT-22A. Alias FOT22 (hyphenless) appears in some inventory systems.

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.