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**Data Sheet**

August 2, 2026

EXFO

## Exfo FOT-30A Optical Loss Test Set

The Exfo FOT30A provides a handheld optical loss test set that combines optical power metering and loss measurement with an integrated single- or dual-wavelength LED or laser source for multimode and singlemode fiber installation and maintenance work. Insertion-loss and optical power verification on LAN and telecom fiber plants; field OLTS testing at common multimode and singlemode wavelengths; fiber identification with 2 kHz tone detection; WaveWise automatic source-to-meter wavelength matching to reduce operator wavelength-setting errors. Dual Source Ports: Available on dual-wavelength option WaveWise: Automatic source/meter wavelength matching Select the calibrated wavelength matching the source under test; use WaveWise when available to lock meter wavelength to the active source. Perform reference (zero) procedure before absolute loss measurements. Protect detector and source ports with appropriate connector adapters. FOT-30A is the source-equipped OLTS in the FOT-x0A handheld family—distinct from FOT-10A (power meter only) and FOT-20A (power/loss without the same source options). Confirm detector type and source wavelength(s) from the faceplate option code before quoting range. Alias FOT30A.



MODEL

**Exfo FOT-30A**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**FOT-30A**

LISTING

<https://aumictechlabs.com/products/fot-30a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

### This unit

The EXFO FOT-30A is a handheld optical loss test set combining an integrated light source and power meter for field characterization of fiber optic links. Single-unit design eliminates the need

for separate instruments, reducing setup time and measurement error during network deployment, troubleshooting, and maintenance operations.

**Technical Specifications**

**Optical Power Meter**

Measurement units: dBm,  $\mu$ W, W

Display modes: Absolute power (dBm or W), Relative power (dB)

Detector options: Silicon or Germanium/GeX detectors

Si detector wavelengths: 650, 780, 820, 850, 910 nm (pre-calibrated)

Ge/GeX detector wavelengths: 780, 850, 1300, 1310, 1550 nm (pre-calibrated)

2 kHz signal detection for fiber identification

Reference value storage for current wavelength

User-initiated calibration

**Optical Light Source**

Configuration: Single or dual-wavelength LED or laser source

Output modes: Continuous Wave (CW), 2 kHz modulated output

Laser maximum output: -2 dBm

Standard wavelengths: 850, 1300, 1310, 1550 nm (configurable by source type)

**General Features**

WaveWise System automatically aligns power meter to source wavelength

Power: 9 V alkaline battery or AC adapter/charger

Auto-off function with manual disable option

LCD display

Handheld form factor, blue color option

**Key Features**

Optical connector compatibility via available adapters (FC, SC, ST, LC, MU). Dual-wavelength models support dual source ports. 2 kHz detection adapter available for enhanced fiber identification capabilities.

**Typical Applications**

Fiber optic network installation, acceptance testing, loss budgeting, link characterization, and field troubleshooting across telecom, datacom, and access networks.

**Compatibility & Integration**

Works with EXFO light sources featuring wavelength identification for automatic calibration parameter matching. Supports connector adapters (FOA-12, FOA-14, FOA-16, FOA-22).

## Features & description

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From manufacturer datasheet

### Features

- Handheld OLTS: power meter plus integrated source (FOT-30A)
- Power and loss measurement at five precalibrated wavelengths (detector-dependent)
- Single- or dual-wavelength LED or laser source configurations
- Optional dual source ports on dual-wavelength models
- WaveWise automatic wavelength matching
- 2 kHz signal detection for fiber identification
- Readings in dB, dBm, and W
- Multimode and singlemode fiber compatible

# FOT30A Characteristics / Specifications

| PARAMETER         | VALUE                                                                                                                                                                                                                                                                                                                         |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model             | FOT-30A (FOT30A)                                                                                                                                                                                                                                                                                                              |
| Manufacturer      | Exfo                                                                                                                                                                                                                                                                                                                          |
| Instrument Type   | Handheld Optical Loss Test Set (power meter + source)                                                                                                                                                                                                                                                                         |
| Family            | FOT-10A / FOT-20A / FOT-30A                                                                                                                                                                                                                                                                                                   |
| Source            | Single- or dual-wavelength LED or laser (configuration-dependent)                                                                                                                                                                                                                                                             |
| Dual Source Ports | Available on dual-wavelength option                                                                                                                                                                                                                                                                                           |
| Display Units     | dB, dBm, W                                                                                                                                                                                                                                                                                                                    |
| Tone Detection    | 2 kHz                                                                                                                                                                                                                                                                                                                         |
| WaveWise          | Automatic source/meter wavelength matching                                                                                                                                                                                                                                                                                    |
| Fiber Types       | Multimode and singlemode                                                                                                                                                                                                                                                                                                      |
| Alias             | FOT30A Standard Operating Conditions Select the calibrated wavelength matching the source under test; use WaveWise when available to lock meter wavelength to the active source. Perform reference (zero) procedure before absolute loss measurements. Protect detector and source ports with appropriate connector adapters. |
| Handheld OLTS     | power meter plus integrated source (FOT-30A)                                                                                                                                                                                                                                                                                  |

# 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-30A (FOT30A)                                      |
| Manufacturer    | Exfo                                                  |
| Instrument Type | Handheld Optical Loss Test Set (power meter + source) |
| Family          | FOT-10A / FOT-20A / FOT-30A                           |

Calibrated Wavelengths (detector-dependent): Si class 650/780/820/850/910 nm; Ge/InGaAs class including 780, 850, 1300, 1310, 1550 nm

Specifications

| PARAMETER         | VALUE                                                             |
|-------------------|-------------------------------------------------------------------|
| Source            | Single- or dual-wavelength LED or laser (configuration-dependent) |
| Dual Source Ports | Available on dual-wavelength option                               |
| Display Units     | dB, dBm, W                                                        |
| Tone Detection    | 2 kHz                                                             |
| WaveWise          | Automatic source/meter wavelength matching                        |
| Fiber Types       | Multimode and singlemode                                          |
| Alias             | FOT30A                                                            |

Standard Operating Conditions

Select the calibrated wavelength matching the source under test; use WaveWise when available to lock meter wavelength to the active source. Perform reference (zero) procedure before absolute loss measurements. Protect detector and source ports with appropriate connector adapters.

Operational Notes

FOT-30A is the source-equipped OLTS in the FOT-x0A handheld family-distinct from FOT-10A (power meter only) and FOT-20A (power/loss without the same source options). Confirm detector type and source wavelength(s) from the faceplate option code before quoting range. Alias FOT30A.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto: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.