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Data Sheet

August 14, 2026

EXFO

Exfo FOT-300 Optical Loss Test Set

The EXFO FOT-300 is a handheld optical loss test set integrating a power meter and up to three single mode or two multimode sources on a single port. OEM FOT300.10EN lists FOT-302 Ge power range 10 to minus 60 dBm and FOT-302X GeX 26 to minus 50 dBm, 10 calibrated wavelengths, 260-hour typical battery life, and source codes 23BL 12D 235BL with published wavelengths and output powers. FTTx PON loss testing at 1310/1490/1550 nm, multimode LAN loss with 850/1300 nm LEDs, Auto-Wavelength Recognition with compatible FPM-300 units, and distant referencing via encrypted protocol. Operating Temperature: minus 10 C to 50 C Relative Humidity: 0 percent to 95 percent non-condensing Spec Conditions: 1550 nm 23 C plus or minus 1 C FC connector From EXFO FOT-300 Optical Loss Test Set datasheet FOT300.10EN. Confirm FOT-302 versus FOT-302X and source code 12D/23BL/235BL on the faceplate.



MODEL

Exfo FOT-300

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FOT-300

LISTING

<https://aumictechlabs.com/products/fot-300-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The EXFO FOT-300 Optical Loss Test Set is a handheld instrument that integrates a light source and power meter into a single unit for efficient optical power and loss measurement in fiber optic networks. It streamlines field testing, troubleshooting, and network certification through auto-wavelength recognition and distant referencing, eliminating offset nulling in typical measurement

scenarios. The FOT-300 supports testing on passive optical networks at ITU-T recommended wavelengths and delivers 260 hours of battery autonomy using either an AC adapter or three AA batteries. Technical Specifications Product Type: Optical Loss Test Set (OLTS) Form Factor: Handheld Light Source: Up to three singlemode wavelengths or two multimode wavelengths on a single port Supported Wavelengths: 830 nm, 850 nm, 980 nm, 1300 nm, 1310 nm, 1450 nm, 1490 nm, 1550 nm, 1590 nm, 1625 nm Power Meter Range: -10 dBm to -60 dBm (model-dependent); displayed range to -65 dBm or -50 dBm Calibrated Wavelengths: Typically 10 Power Uncertainty: $\pm 5\%$ ± 1 nW Resolution: 0.01 dB Tone Detection: 270 Hz, 1 kHz, 2 kHz Power Autonomy: 260 hours Calibration Interval: 3 years recommended Connectors: ST, SC, LC, E2000 Key Features Auto-wavelength recognition automatically selects correct calibration parameters for compatible units Distant referencing via signal encryption provides reference power information to receiving end No offset nulling required in typical measurement situations Wavelength-identification digital encrypted protocol for automatic unit compatibility FTTx-ready for PON testing at 1310 nm, 1490 nm, and 1550 nm Typical Applications Link-loss characterization Network certification FTTx deployments Passive optical network (PON) testing Compatibility & Integration Designed for seamless operation with compatible EXFO instruments supporting the wavelength-identification encrypted protocol.

FOT300 Characteristics / Specifications

PARAMETER	VALUE
Power Meter Ge Model	FOT-302
Power Meter GeX Model	FOT-302X
Ge Power Range	10 to minus 60 dBm
GeX Power Range	26 to minus 50 dBm
Ge Range Displayed	down to minus 65 dBm
GeX Range Displayed	down to minus 50 dBm
Calibrated Wavelengths Count	10
Calibrated Wavelengths	830 850 980 1300 1310 1450 1490 1550 1590 1625 nm
Ge Power Uncertainty	plus or minus 5 percent plus or minus 1 nW
Resolution Ge	0.01 dB from 10 to minus 50 dBm
Resolution GeX	0.01 dB from 26 to minus 35 dBm
Tone Detection Hz	270 1000 2000
Screen Refresh Rate	3 Hz
Battery Life Power Meter Typical	260 hours
Source 23BL Wavelengths	1310 plus or minus 20 / 1550 plus or minus 20 nm
Source 23BL Output Power	greater than or equal to 1 / greater than or equal to 1 dBm
Source 12D Wavelengths	850 plus or minus 25 / 1300 plus 50/minus 20 nm
Source 12D Output Power	greater than or equal to minus 20 / greater than or equal to minus 20 dBm on 62.5/125 um
Source 235BL Wavelengths	1310 plus or minus 20 / 1490 plus or minus 10 / 1550 plus or minus 20 nm
Source 235BL Output Power	greater than or equal to 1 / greater than or equal to minus 4.5 / greater than or equal to minus 3 dBm
Source Stability 8 h	plus or minus 0.1 dB
Source Battery Life Auto Mode	120 hours
Size HxWxD	185 mm x 100 mm x 55 mm
Weight	0.4 kg

PARAMETER	VALUE
Operating Temperature	minus 10 C to 50 C
Storage Temperature	minus 40 C to 70 C
Relative Humidity	0 percent to 95 percent non-condensing
Spec Conditions	1550 nm 23 C plus or minus 1 C FC connector
Laser Safety	Class 1
Humidity	0 percent to 95 percent non-condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 40 C to 70 C
Operating temperature	minus 10 C to 50 C
Operating Temperature	minus 10 C to 50 C
Humidity	0 percent to 95 percent non-condensing
Relative Humidity	0 percent to 95 percent non-condensing
Spec Conditions	1550 nm 23 C plus or minus 1 C FC connector
Laser Safety	Class 1 Notes From EXFO FOT-300 Optical Loss Test Set datasheet FOT300.10EN. Confirm FOT-302 versus FOT-302X and source code 12D/23BL/235BL on the faceplate.

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
Power Meter Ge Model	FOT-302
Power Meter GeX Model	FOT-302X
Ge Power Range	10 to minus 60 dBm
GeX Power Range	26 to minus 50 dBm
Ge Range Displayed	down to minus 65 dBm
GeX Range Displayed	down to minus 50 dBm
Calibrated Wavelengths Count	10
Calibrated Wavelengths	830 850 980 1300 1310 1450 1490 1550 1590 1625 nm
Ge Power Uncertainty	plus or minus 5 percent plus or minus 1 nW
Resolution Ge	0.01 dB from 10 to minus 50 dBm
Resolution GeX	0.01 dB from 26 to minus 35 dBm
Tone Detection Hz	270 1000 2000
Screen Refresh Rate	3 Hz
Battery Life Power Meter Typical	260 hours
Source 23BL Wavelengths	1310 plus or minus 20 / 1550 plus or minus 20 nm
Source 23BL Output Power	greater than or equal to 1 / greater than or equal to 1 dBm
Source 12D Wavelengths	850 plus or minus 25 / 1300 plus 50/minus 20 nm
Source 12D Output Power	greater than or equal to minus 20 / greater than or equal to minus 20 dBm on 62.5/125 um
Source 235BL Wavelengths	1310 plus or minus 20 / 1490 plus or minus 10 / 1550 plus or minus 20 nm
Source 235BL Output Power	greater than or equal to 1 / greater than or equal to minus 4.5 / greater than or equal to minus 3 dBm
Source Stability 8 h	plus or minus 0.1 dB
Source Battery Life Auto Mode	120 hours
Size HxWxD	185 mm x 100 mm x 55 mm
Weight	0.4 kg

PARAMETER	VALUE
Operating Temperature	minus 10 C to 50 C
Storage Temperature	minus 40 C to 70 C
Relative Humidity	0 percent to 95 percent non-condensing
Spec Conditions	1550 nm 23 C plus or minus 1 C FC connector
Laser Safety	Class 1

Notes
From EXFO FOT-300 Optical Loss Test Set datasheet FOT300.10EN. Confirm FOT-302 versus FOT-302X and source code 12D/23BL/235BL on the faceplate.

Laser Safety

Laser Safety: Class 1 Notes From EXFO FOT-300 Optical Loss Test Set datasheet FOT300.10EN. Confirm FOT-302 versus FOT-302X and source code 12D/23BL/235BL on the faceplate.

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.