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Data Sheet

August 2, 2026

EXFO

Exfo FOT-920 MaxTester Automated Loss Test Set

Exfo FOT-920 MaxTester Automated Loss Test Set The Exfo FOT920 provides a handheld MaxTester automated optical loss test set that integrates a bidirectional FasTest OLTS, light source, and Ultra-High-Power class power meter for field installation and maintenance, with optional talk set, VFL, and ORL capabilities. High-fiber-count installation loss certification; automated dual-wavelength bidirectional loss testing; optical return loss measurement for OC-48/OC-192 class links sensitive to backreflection; field power and loss testing with high-power detectors; simultaneous talk/test when talk-set option is fitted. The Exfo FOT920 provides a handheld MaxTester automated optical loss test set that integrates a bidirectional FasTest OLTS, light source, and Ultra-High-Power class power meter for field installation and maintenance, with optional talk set, VFL, and ORL capabilities. High-fiber-count installation loss certification; automated dual-wavelength bidirectional loss testing; optical return loss measurement for OC-48/OC-192 class links sensitive to backreflection; field power and loss testing with high-power detectors; simultaneous talk/test when talk-set option is fitted.



MODEL

Exfo FOT-920

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FOT-920

LISTING

<https://aumictechlabs.com/products/fot-920-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The EXFO FOT-920 MaxTester Automated Loss Test Set is a portable fiber optic test instrument designed for field installation and maintenance. It integrates automated bidirectional loss testing, optical return loss (ORL) measurement, light source functionality, and power metering into a single platform. The FasTest™ system executes dual-wavelength, bidirectional loss measurements in under 30 seconds, identifying signal loss causes - breaks, bends, faulty connectors, splices - over distances to 5 km. Power measurement capability extends to +35 dBm with Ultra-High-Power™ detector models supporting Ge, GeX, or InGaAs detector types. Configurable Pass/Fail thresholds with visual alarms streamline on-site pass/fail determination. Internal storage accommodates up to 512 fiber records with RS-232 data transfer to PC or portable printer. Optional full-duplex digital talk set enables remote voice communication; preset or preprogrammed messages transmit via the fiber under test as backup. The integrated 650 nm visual fault locator (VFL) identifies faults through yellow-jacketed fibers with visible red glow.

Technical Specifications Automated Loss Test Set (OLTS): dual-wavelength bidirectional loss testing FasTest measurement time: less than 30 seconds for dual-wavelength, bidirectional loss testing Maximum loss measurement range: up to 5 km Power meter range: up to +35 dBm (Ultra-High-Power™ models) Visual Fault Locator: 650 nm, Class 2 laser, max output 1 mW Storage capacity: up to 512 fiber records Data interface: RS-232 to PC or portable printer Detector port compatibility: most connector types Detector options: Ge, GeX, or InGaAs types Light source: one or two wavelengths via single port Optical Return Loss (ORL) testing with simultaneous fiber length measurement

Key Features Configurable Pass/Fail thresholds per wavelength with visual alarms End-to-end signal loss cause identification L-band transmission testing support at 1625 nm Three-way power options: NiMH rechargeable batteries Class 1 LED main unit per IEC 60825 Laser safety compliance: 21 CFR 1040.10, 1040.11, and IEC 60825-1

Typical Applications Field fiber optic cable installation verification Network maintenance diagnostics Splice and connector performance assessment Fiber break and fault location Return loss characterization

Compatibility & Integration Connector compatibility spans most detector port types. Optional full-duplex digital talk set integrates voice communication for remote coordination. Data export via RS-232 interface supports portable field reporting and network documentation workflows.

Features & description

From manufacturer datasheet

Features

- Automated dual-wavelength bidirectional FasTesT loss on one connector in less than 30 seconds • Storage of up to 512 fiber records • Ultra-High-Power power meter capability up to +35 dBm (UHP models) • Optional full-duplex digital talk set, visual fault locator, and ORL test set • Three-way powering: NiMH, 9 V, and AC adapter/charger • Compatible with FTB-3920 MultiTest module FasTesT ecosystem • Splashproof rugged field housing

FOT920 Characteristics / Specifications

PARAMETER	VALUE
Model	FOT-920 MaxTester (FOT920); common SM config FOT-922 class
Manufacturer	Exfo
Instrument Type	Automated Optical Loss Test Set (OLTS)
FasTesT	Dual-wavelength bidirectional automated loss; typically under 30 s
FasTesT Range	approximately 60 dB class (config dependent)
ORL Range	approximately 65 dB class with ORL option; uncertainty ± 0.4 dB class
Typical SM Source	1310/1550 nm lasers; output ≥ -5 dBm (1310) / ≥ -7 dBm (1550) class (config dependent)
Power Meter	Ge class detectors; UHP models to +35 dBm; resolution 0.01 dB class
Record Storage	up to 512 fiber records
Interfaces	RS-232 data logging
Power	NiMH (~8 h source/talk class), 9 V, AC charger
Size/Weight	approximately 22.7 × 11.1 × 6.4 cm; ~1 kg
Operating Temperature	-10 °C to 50 °C
Alias	FOT920 Standard Operating Conditions Allow source warm-up before acceptance tests. Clean and inspect connectors before FasTesT sequences. Configure wavelengths and thresholds to match link specification. Use UHP meter ranges only with appropriate high-power safety practice.
Three-way powering	NiMH, 9 V, and AC adapter/charger
Optical Return Loss	measurement for OC-48/OC-192 class links sensitive to backreflection; field power and loss testing with high-power detectors; simultaneous talk/test when talk-set option is fitted.
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General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	−10 °C to 50 °C
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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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Alias	FOT920
Standard Operating Conditions	
Allow source warm-up before acceptance tests. Clean and inspect connectors before FasTest sequences. Configure wavelengths and thresholds to match link specification. Use UHP meter ranges only with appropriate high-power safety practice.	
Operational Notes	
Exact laser/meter/ORL option codes vary (e.g., FOT-922 SM 1310/1550). Confirm faceplate configuration for wavelengths, detector type, and ORL/talk/VFL options. Alias FOT920.	

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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<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
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Generated August 2, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.