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Data Sheet

August 14, 2026

EXFO

Exfo MAX-945 Fiber Certifier OLTS; Test Set Kit

The EXFO MAX-945 is a complete fiber certification solution featuring an OLTS and optical power meter. Supporting Tier 1 testing per industry standards, it offers fast, accurate loss measurements for single-mode and multimode fibers. The kit includes all necessary components for comprehensive fiber network certification in various environments.



MODEL

Exfo MAX-945

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MAX-945

LISTING

<https://aumictechlabs.com/products/max-945-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The EXFO MAX-945 Fiber Certifier OLTS Test Set Kit is a dual-unit field test platform for Tier 1 fiber certification in data center and enterprise deployments. Each unit features a 7-inch touchscreen and delivers automated bidirectional testing of insertion loss, optical return loss, and fiber length in under 5 seconds across two wavelengths using FasTest™ technology. The kit includes 100% automated fiber inspection with integrated pass/fail analysis at both terminations, onboard referencing diagnostics to eliminate reference errors and negative loss, and built-in Encircled-Flux compliance for multimode accuracy without external conditioners. Dual units enable concurrent connector certification at opposite fiber ends while maintaining Tier 1 workflow integration. Standards compliance spans TIA-568 and IEEE cabling specifications. All-day field battery life, Wi-Fi/Bluetooth connectivity, and onboard professional PDF reporting consolidate multiple measurements into single industry-standard documents. Technical Specifications Testing

Capabilities: Insertion Loss (IL), Optical Return Loss (ORL), Fiber Length Measurement, Bidirectional Testing, Automated Fiber Inspection Test Speed: Under 5 seconds for two fibers at two wavelengths Single-mode Wavelengths: 1310 nm, 1550 nm (standard); 1310 nm, 1550 nm, 1625 nm (SM3 models) Multimode Wavelengths: 850 nm, 1300 nm (selected configurations) IL Measurement Range: Multimode up to 20 dB; Singlemode Simplex up to 45 dB; Singlemode Duplex up to 50 dB Length Measurement Range: Multimode up to 20 km; Singlemode up to specified maximum Connectivity: Integrated Wi-Fi/Bluetooth Display: 7-inch high-resolution touchscreen Battery: Full-day field operation Key Features FasTest™ automated bidirectional testing engine Dual-unit configuration for simultaneous two-end certification Built-in Encircled-Flux compliance for multimode testing Onboard reference error and negative loss diagnostics 100% automated connector inspection with integrated probe option Multi-standard certification: TIA-568, IEEE compliance Professional PDF reporting with file consolidation Internal memory for large test file repositories Typical Applications Data center fiber acceptance testing and commissioning Enterprise network installation verification Tier 1 certification workflows for installation contractors Field maintenance and network validation by technicians Compatibility & Integration Supports dual-wavelength testing across single-mode and multimode fiber types. Integrates directly into standard Tier 1 certification workflows with automated result compilation and standards-compliant reporting.

MAX945 Characteristics / Specifications

PARAMETER	VALUE
Display	7 in 178 mm outdoor-enhanced touchscreen 800 × 480 TFT
FasTesT Duplex Speed	2.6 s two wavelengths one direction IL plus length
FasTesT Simplex Speed	5 s two wavelengths bidirectional IL ORL plus length
Wavelengths	850 plus or minus 20, 1300 plus or minus 20, 1310 plus or minus 20, 1550 plus or minus 20 nm
Source Type Multimode	LED
Source Type Singlemode	Laser
Loss Range Multimode	20 dB
Loss Range Singlemode Simplex	45 dB
Loss Range Singlemode Duplex	50 dB
Length Range Multimode	20 km
Length Range Singlemode	160 km
Length Uncertainty	plus or minus (0.5 m plus 0.5 percent times length)
ORL Measurement Range	50 dB
ORL Measurement Uncertainty	plus or minus 1 dB
Output Power Multimode	minus 25 dBm
Output Power Singlemode	2.5 dBm
Output Power Stability	plus or minus 0.05 dB over 8 h
Power Meter Detector	GeX
Power Meter Range	25 to minus 50 dBm
Power Meter Uncertainty	plus or minus (5 percent plus 10 nW)
Size HxWxD	166 mm x 200 mm x 68 mm
Weight With Battery	1.5 kg
Battery Life	12 hours
Interfaces	two USB 2.0 and RJ45 LAN 10/100

PARAMETER	VALUE
Power stability	plus or minus 0.05 dB over 8 h

MAX945 Specifications

PARAMETER	VALUE
Exfo MaxTester 945 Fiber Certifier OLTS	Overview
Key Features	7 inch outdoor-enhanced touchscreen 800 × 480
Technical Specifications	Display: 7 in 178 mm outdoor-enhanced touchscreen 800 × 480 TFT

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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PARAMETER	VALUE
Display	7 in 178 mm outdoor-enhanced touchscreen 800 x 480 TFT
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FasTesT Simplex Speed	5 s two wavelengths bidirectional IL ORL plus length
Wavelengths	850 plus or minus 20, 1300 plus or minus 20, 1310 plus or minus 20, 1550 plus or minus 20 nm
Source Type Multimode	LED
Source Type Singlemode	Laser
Loss Range Multimode	20 dB
Loss Range Singlemode Simplex	45 dB
Loss Range Singlemode Duplex	50 dB
Length Range Multimode	20 km
Length Range Singlemode	160 km
Length Uncertainty	plus or minus (0.5 m plus 0.5 percent times length)
ORL Measurement Range	50 dB
ORL Measurement Uncertainty	plus or minus 1 dB
Output Power Multimode	minus 25 dBm
Output Power Singlemode	2.5 dBm
Output Power Stability	plus or minus 0.05 dB over 8 h
Power Meter Detector	GeX
Power Meter Range	25 to minus 50 dBm
Power Meter Uncertainty	plus or minus (5 percent plus 10 nW)
Size HxWxD	166 mm x 200 mm x 68 mm
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Notes	
From EXFO MaxTester 945 Fiber Certifier OLTS specification sheet. Quad ICERT-Q1-QUAD uses port 1 MM 850/1300	

and port 2 SM 1310/1550; Telco SM variants differ in wavelength set and length span.

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.