

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

EXFO

EXFO CoLT-450

The EXFO CoLT-450 is a compact and rugged optical loss test set engineered for field deployment of fiber optic networks. It delivers accurate insertion loss, link loss, and optical power measurements across singlemode and multimode fiber installations. The instrument supports optical return loss measurement and fiber length determination, making it essential for field technicians validating cable plant performance and troubleshooting transmission circuits. Compatibility & Integration The CoLT-450 supports standard fiber connector interfaces and both singlemode and multimode fiber types. CoLT-View software integrates measurement results with standard spreadsheet applications, enabling automated reporting and historical data analysis across network deployment projects. Aumictech offers NIST-traceable calibration and repair for the Exfo CoLT-450. Calibration covers distance accuracy verification



MODEL

Exfo CoLT-450

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

CoLT-450

LISTING

<https://aumictechlabs.com/products/colt-450-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

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technicians validating cable plant performance and troubleshooting transmission circuits.

Technical Specifications The CoLT-450 operates on 120V power with battery operation capability for mobile field work. It measures insertion loss, link loss, optical power, and optical return loss across supported fiber types. Fiber length measurement and multimode/singlemode fiber support enable comprehensive cable plant validation.

Key Features Compact, field-hardened design rated for demanding deployment environments Multiple duplex and multi-fiber connector compatibility Battery operation extends field deployment without AC power dependency CoLT-View PC software enables numeric and graphical result visualization Data export to MS Excel™ for integration with network documentation workflows Hangable soft carrying case included for field portability

Typical Applications Insertion loss and link loss measurement during cable plant acceptance testing Optical power verification at connector interfaces Optical return loss measurement for link quality assessment Fiber length determination for documentation and troubleshooting DSL local loop verification (ADSL, ADSL 2+, SHDSL, VDSL) and circuit troubleshooting Broadband service deployment validation for VDSL2, ADSL2+, and triple-play architectures Service level confirmation across installed local loop infrastructure

Compatibility & Integration The CoLT-450 supports standard fiber connector interfaces and both singlemode and multimode fiber types. CoLT-View software integrates measurement results with standard spreadsheet applications, enabling automated reporting and historical data analysis across network deployment projects.

Features & description

From manufacturer datasheet

Features

- Fully automated bidirectional FasTest IL and length

COLT450 Characteristics / Specifications

PARAMETER	VALUE
Model	MaxTester 940 Telco OLTS (MAX-940)
Manufacturer	EXFO
Instrument Type	Handheld Telco Optical Loss Test Set
FasTesT simplex two wavelength	about 3 seconds bidirectional IL + length
FasTesT simplex three wavelength	about 6 seconds bidirectional IL + ORL + length (945/ORL configs)
MM wavelengths nm	850 +/-20 and 1300 +/-20 LED
SM wavelengths nm	1310 +/-20, 1490 +/-10, 1550 +/-20, 1625 +/-10 laser options
Loss range MM dB	20
Loss range SM simplex dB	45
Loss range SM duplex dB	50
Length range MM km	20
Length range SM km	200
Length uncertainty duplex	+/- (0.5 m + 0.5% x length)
Length uncertainty simplex	+/- (1 m + 0.5% x length)
ORL measurement range dB	50 (945 / ORL capable configs)
ORL uncertainty dB	+/-1
Source output SM1 1310/1550 dBm	2.5 typical
Source stability dB	+/-0.05 over 8 hours
Power meter detector	GeX
Power meter range dBm	25 to -50
Power meter uncertainty	+/- (5% + 10 nW)
Power meter wavelengths nm	850, 1300, 1310, 1490, 1550, 1577, 1625, 1650
Tone detection Hz	270 / 330 / 1000 / 2000
Display	7 in 800 × 480 outdoor-enhanced TFT
SizeHxWxD	166 mm x 200 mm x 68 mm

PARAMETER	VALUE
Weight with battery	1.5 kg
Interfaces	2 x USB 2.0; RJ45 LAN 10/100 Mbit/s
Storage	6 GB internal (about 150000 results)
Battery autonomy hours	12
Power supply	100-240 VAC 50-60 Hz adapter
Warranty years	3 (OEM sheet variant) / confirm faceplate
Calibration interval years	3
EF launch	EF compliant at 50/125 um MM source port with EXFO reference cord Notes Specs from EXFO MaxTester 940/945 Telco OLTS discontinued OEM sheet. MAX-940 discontinued 2023-07-01; ORL meter is primarily on 945. Confirm SM1/SM3/SM4 wavelength config and options on the unit.

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.

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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

788 S 500 E, Pleasant Grove, UT 84062
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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.