

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

EXFO

EXFO LTS-3900 Loss Test Set

Laser Spectral Width: less than or equal to 5 nm Programmed Acquisition Points: up to 1024
Relative Humidity: 0 to 80 percent non-condensing From EXFO LTS-3900 Loss Test Set
datasheet SPLTS3900.5AN. Confirm installed detector code 02/02X/03 and source/ORL/VFL
options on the faceplate and calibration certificate. Programmed Acquisition Points: up to 1024
Relative Humidity: 0 to 80 percent non-condensing From EXFO LTS-3900 Loss Test Set
datasheet SPLTS3900.5AN. Confirm installed detector code 02/02X/03 and source/ORL/VFL
options on the faceplate and calibration certificate.



MODEL

Exfo LTS-3900

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

LTS-3900

LISTING

[https://aumictechlabs.c
om/products/lts-3900-
2/](https://aumictechlabs.com/products/lts-3900-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO LTS-3900 Loss Test Set integrates a stable light source, precision optical power meter, and optional optical return loss (ORL) meter into a single instrument for comprehensive optical network testing. It delivers insertion loss and optical return loss measurements across single-mode and multimode fiber, supporting up to 20 programmable wavelengths with selectable laser and LED source configurations. The unit automates ORL and insertion loss test procedures, stores up to 1024 data points per acquisition, and interfaces via GPIB and RS-232 for remote control and data logging. Technical Specifications Light Source Programmable wavelengths: up to 20 Laser options: dual-wavelength configurations (02BL, 03BL, 23BL) LED options: dual-wavelength

configurations (12C, 12D, 23B) Power Meter Display modes: dBm or watts Manual data storage: up to 512 readings Programmed data acquisition: up to 1024 data points per acquisition Offset nulling supported Optical Return Loss (ORL) Meter Automated ORL and insertion loss test procedures Step-by-step guided measurement workflow Configuration option: BR23BL Visual Fault Locator (Optional) Fault detection range: up to 5 km Output: bright red light (continuous or 1 Hz modulated) Compatible with yellow-jacketed fibers Data Management Storable setups: up to 10 configurations for multi-user environments PC connectivity: label printing utility for test result documentation Interfaces GPIB and RS-232 for remote control and data acquisition Physical and Environmental Dimensions: 11 cm × 22 cm × 28 cm (4.5 in × 8.5 in × 11.25 in) Optional 19-inch rack mounting available Power input: 100 V to 240 V AC, single-phase, 50/60 Hz Maximum input current: 2 A Compliance FCC Part 15 Class B digital device ISO 9001 certified manufacturer Key Features Modular architecture supports laser, LED, ORL meter, and VFL options Dual-wavelength capability reduces test time on multi-fiber systems Automated test procedures eliminate manual workflow errors Exceptional data capacity for high-volume certification campaigns Typical Applications Component qualification and fiber assembly testing R&D optical system development Manufacturing process control Field service diagnostics and commissioning Compatibility & Integration Designed for single-mode and multimode fiber testing. Remote control and automated data acquisition via standard GPIB and RS-232 interfaces enable integration into test racks and automated certification workflows.

LTS3900 Characteristics / Specifications

PARAMETER	VALUE
Ge Detector Size	1 mm
Ge Wavelength Range	780 to 1625 nm
Ge Measurement Range	plus 10 to minus 73 dBm
Ge Uncertainty	plus or minus 5 percent (0 to minus 53 dBm)
Ge Linearity	plus or minus 0.05 dB (0 to minus 53 dBm)
Ge Resolution High Power	0.01 dB
GeX Detector Size	2 mm
GeX Measurement Range	plus 21 to minus 62 dBm
GeX Uncertainty	plus or minus 5 percent (plus 10 to minus 42 dBm)
InGaAs Detector Size	1 mm
InGaAs Wavelength Range	840 to 1650 nm
InGaAs Measurement Range	plus 4 to minus 75 dBm
InGaAs Uncertainty	plus or minus 5 percent (0 to minus 55 dBm)
InGaAs Linearity	plus or minus 0.05 dB (0 to minus 55 dBm)
ORL Range BR23BL	65 dB
ORL Uncertainty	plus or minus 0.4 dB
ORL Resolution High	0.01 dB (0 to minus 45 dBm)
Laser Source 1310 Output Power Typical	greater than or equal to minus 3.5 dBm
Laser Source 1550 Output Power Typical	greater than or equal to minus 5.5 dBm
Laser Source Stability 8 h	plus or minus 0.10 dB
Laser Spectral Width	less than or equal to 5 nm
VFL Wavelength	650 plus or minus 10 nm
VFL Output Power CW Typical	minus 1 dBm
VFL Modulation	1 Hz
Manual Storage Readings	up to 512

PARAMETER	VALUE
Programmed Acquisition Points	up to 1024
Stored Wavelengths In Setup	up to 20
Size HxWxD	11 cm x 22 cm x 28 cm
Operating Temperature	0 C to 40 C
Storage Temperature	minus 20 C to 60 C
Relative Humidity	0 to 80 percent non-condensing
Remote Control	GPIB and RS-232
Wavelength range	780 to 1625 nm
Humidity	0 to 80 percent non-condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 20 C to 60 C
Operating temperature	0 C to 40 C
Operating Temperature	0 C to 40 C
Humidity	0 to 80 percent non-condensing
Relative Humidity	0 to 80 percent non-condensing
Remote Control	GPIB and RS-232 Notes From EXFO LTS-3900 Loss Test Set datasheet SPLTS3900.5AN. Confirm installed detector code 02/02X/03 and source/ORL/VFL options on the faceplate and calibration certificate.

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
Ge Detector Size	1 mm
Ge Wavelength Range	780 to 1625 nm
Ge Measurement Range	plus 10 to minus 73 dBm
Ge Uncertainty	plus or minus 5 percent (0 to minus 53 dBm)
Ge Linearity	plus or minus 0.05 dB (0 to minus 53 dBm)
Ge Resolution High Power	0.01 dB
GeX Detector Size	2 mm
GeX Measurement Range	plus 21 to minus 62 dBm
GeX Uncertainty	plus or minus 5 percent (plus 10 to minus 42 dBm)
InGaAs Detector Size	1 mm
InGaAs Wavelength Range	840 to 1650 nm
InGaAs Measurement Range	plus 4 to minus 75 dBm
InGaAs Uncertainty	plus or minus 5 percent (0 to minus 55 dBm)
InGaAs Linearity	plus or minus 0.05 dB (0 to minus 55 dBm)
ORL Range BR23BL	65 dB
ORL Uncertainty	plus or minus 0.4 dB
ORL Resolution High	0.01 dB (0 to minus 45 dBm)
Laser Source 1310 Output Power Typical	greater than or equal to minus 3.5 dBm
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Laser Source Stability 8 h	plus or minus 0.10 dB
Laser Spectral Width	less than or equal to 5 nm
VFL Wavelength	650 plus or minus 10 nm
VFL Output Power CW Typical	minus 1 dBm
VFL Modulation	1 Hz
Manual Storage Readings	up to 512
Programmed Acquisition Points	up to 1024

PARAMETER	VALUE
Stored Wavelengths In Setup	up to 20
Size HxWxD	11 cm x 22 cm x 28 cm
Operating Temperature	0 C to 40 C
Storage Temperature	minus 20 C to 60 C
Relative Humidity	0 to 80 percent non-condensing
Remote Control	GPiB and RS-232

Notes

From EXFO LTS-3900 Loss Test Set datasheet SPLTS3900.5AN. Confirm installed detector code 02/02X/03 and source/ORL/VFL options on the faceplate and calibration certificate.

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.