

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

EXFO

Exfo MAX-890 Ethernet Network Tester

The EXFO MAX-890 is a versatile Ethernet network tester for installation and maintenance of copper and fiber networks. Supporting speeds up to 10G, it performs comprehensive tests including RFC 2544, throughput, and cable diagnostics. Its rugged design and intuitive interface make it ideal for field technicians ensuring network performance.



MODEL

Exfo MAX-890

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MAX-890

LISTING

<https://aumictechlabs.com/products/max-890-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO MAX-890 is a portable multi-service network tester for installation, troubleshooting, and maintenance of Ethernet, OTN, SONET/SDH, and DS_n/PDH networks across data rates from 10 Mbps to 100 Gbps. Engineered for field technicians and engineers, it delivers comprehensive testing capabilities in a rugged, field-deployable platform with an intuitive interface. Technical Specifications Data Rate Support Ethernet: 10 Mbps to 100 Gbps (1G, 10G, 100G) SONET/SDH: STM-1, STM-4, STM-16, STM-64; optical SONET/SDH to 10G OTN: OTU1, OTU2, OTU4, OTU2f, OTU1f, OTU2e, OTU1e with Forward Error Correction (FEC) DS_n/PDH: DS1, DS3, E1, E3, E4 Interfaces Optical: SFP, SFP+, SFP28, QSFP28 Electrical: 10/100/1000BASE-T, 100BASE-X, GigE, 10 GigE, 100G Ethernet Management: RJ45 LAN 10/100/1000 Mbit/s, USB 2.0 and 3.0, micro SD card, 3.5 mm headset/microphone Processing & Storage Quad-core processor with 4 GB RAM 128 GB internal flash memory Windows 10 operating system Power Rechargeable Li-ion smart battery

AC/DC adapter: 100–240 V, 50/60 Hz input; 24 V, 3.75 A output

Key Features

- Dual-port testing: up to 2 × 100 Gbps Ethernet links simultaneously
- Quad-port testing: up to 4 × 100 Gbps circuits (MAX-890Q configuration)
- EtherSAM (ITU-T Y.1564) for service activation and performance verification
- RFC 2544 and RFC 6349 throughput and latency measurements
- EtherBERT and OTN BERT for bit error rate testing
- Layer-2 transparency testing with predefined configurations
- Traffic generation, monitoring, and error injection
- Remote Discovery, Smart Loopback, and Dual Test Set (DTS) capabilities

Typical Applications

- Ethernet service deployment and validation
- OTN circuit commissioning and diagnostics
- SONET/SDH network troubleshooting
- PDH/DSn legacy circuit testing
- Carrier OAM and VLAN/MPLS testing
- Field filter and packet capture analysis

Compatibility & Integration

The MAX-890 supports Through Mode for transparent network operation and integrates iOptics functionality for enhanced optical performance monitoring. Second-port loopback tools and Dual Test Set capabilities enable flexible test architectures for complex network validation scenarios.

Features & description

From manufacturer datasheet

Features

- Ethernet/OTN/SONET/SDH/DSn/PDH up to 100G

Applications

- Carrier Ethernet service activation (EtherSAM / RFC 2544)

MAX890 Characteristics / Specifications

PARAMETER	VALUE
Model	MAX-890
Manufacturer	EXFO
Instrument Type	Handheld Multiservice Network Tester
Alias	MaxTester 890; MAX-800 Series MAX-890
Size	210 mm x 254 mm x 96 mm
Weight	2.99 kg (6.59 lb)
Display	8 in multitouch widescreen color TFT 1280 × 800
Processor	quad-core
RAM	8 GB
Operating system	Windows 10
Storage	128 GB internal flash
Battery	rechargeable Li ion smart battery
Operating temperature	0 C to 40 C
Storage temperature	-40 C to 70 C
Relative humidity	0% to 95% non-condensing
Power supply input	100 to 240 V; 50/60 Hz; 2.5 A max
Power supply output	24 V; 3.75 A
Interfaces host	RJ45 LAN 10/100/1000; USB 2.0 x2; USB 3.0 x1; micro SD; 3.5 mm headset
Test port QSFP	100GE; OTU4
Electrical Ethernet	10/100/1000BASE-T RJ45
DSn PDH connectors	Bantam and BNC class
External clock	supported
Ethernet apps	EtherSAM Y.1564; RFC 2544; EtherBERT; traffic gen/mon; Smart Loopback; Through mode; cable test
Transport apps	OTN BERT; SONET/SDH BERT; DSn/PDH BERT

PARAMETER	VALUE
OTN rates class	OTU1; OTU2; OTU4
Max Ethernet rate	100 Gbit/s
Dual port testing	EtherSAM/RFC/EtherBERT to 10 GigE; EtherBERT L2 at 100GE
IPv6 support	yes
MPLS support	yes Notes Specs from EXFO MAX-800 Series / MAX-890 specification sheets. Confirm licensed rate options (100GE, OTN, SONET/SDH, DSn/PDH) and installed optics with the unit configuration.
Humidity	0% to 95% non-condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 C to 70 C
Operating temperature	0 C to 40 C
Operating Temperature	0 C to 40 C
Humidity	0% to 95% non-condensing
Relative humidity	0% to 95% non-condensing
Power supply input	100 to 240 V; 50/60 Hz; 2.5 A max
Power supply output	24 V; 3.75 A
Interfaces host	RJ45 LAN 10/100/1000; USB 2.0 x2; USB 3.0 x1; micro SD; 3.5 mm headset
Test port QSFP	100GE; OTU4
Electrical Ethernet	10/100/1000BASE-T RJ45
DSn PDH connectors	Bantam and BNC class
External clock	supported
Ethernet apps	EtherSAM Y.1564; RFC 2544; EtherBERT; traffic gen/mon; Smart Loopback; Through mode; cable test
Transport apps	OTN BERT; SONET/SDH BERT; DSn/PDH BERT
OTN rates class	OTU1; OTU2; OTU4
Max Ethernet rate	100 Gbit/s
Dual port testing	EtherSAM/RFC/EtherBERT to 10 GigE; EtherBERT L2 at 100GE
IPv6 support	yes
MPLS support	yes Notes Specs from EXFO MAX-800 Series / MAX-890 specification sheets. Confirm licensed rate options (100GE, OTN, SONET/SDH, DSn/PDH) and installed optics with the unit configuration.

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
Model	MAX-890
Manufacturer	EXFO
Instrument Type	Handheld Multiservice Network Tester
Specifications	
PARAMETER	VALUE
Alias	MaxTester 890; MAX-800 Series MAX-890
Size	210 mm x 254 mm x 96 mm
Weight	2.99 kg (6.59 lb)
Specifications	
PARAMETER	VALUE
Display	8 in multitouch widescreen color TFT 1280 x 800
Processor	quad-core
RAM	8 GB
Specifications	
PARAMETER	VALUE
Operating system	Windows 10
Storage	128 GB internal flash
Battery	rechargeable Li ion smart battery
Specifications	
PARAMETER	VALUE
Operating temperature	0 C to 40 C
Storage temperature	-40 C to 70 C
Relative humidity	0% to 95% non-condensing

Specifications

PARAMETER	VALUE
Power supply input	100 to 240 V; 50/60 Hz; 2.5 A max
Power supply output	24 V; 3.75 A
Interfaces host	RJ45 LAN 10/100/1000; USB 2.0 x2; USB 3.0 x1; micro SD; 3.5 mm headset

Test port QSFP28: 100GE; OTU4

Test port SFP/SFP+: up to 10 Gbit/s Ethernet; SONET/SDH to 10G; OTN OTU1/2; copper SFP 10/100/1000BASE-T

Specifications

PARAMETER	VALUE
Electrical Ethernet	10/100/1000BASE-T RJ45
DSn PDH connectors	Bantam and BNC class
External clock	supported

Specifications

PARAMETER	VALUE
Ethernet apps	EtherSAM Y.1564; RFC 2544; EtherBERT; traffic gen/mon; Smart Loopback; Through mode; cable test
Transport apps	OTN BERT; SONET/SDH BERT; DSn/PDH BERT
OTN rates class	OTU1; OTU2; OTU4

Specifications

PARAMETER	VALUE
Max Ethernet rate	100 Gbit/s
Dual port testing	EtherSAM/RFC/EtherBERT to 10 GigE; EtherBERT L2 at 100GE
IPv6 support	yes

MPLS support: yes

Notes

Specs from EXFO MAX-800 Series / MAX-890 specification sheets. Confirm licensed rate options (100GE, OTN, SONET/SDH, DSn/PDH) and installed optics with the unit configuration.

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.