

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

EXFO

EXFO SyncWatch-110 Synchronization Testing Unit

The EXFO SyncWatch-110 is a portable synchronization tester for telecom networks, validating SyncE, IEEE 1588 (PTP), and GNSS timing. It ensures precise timing alignment in 5G, mobile backhaul, and data centers, helping operators maintain network synchronization compliance.



MODEL

Exfo SyncWatch-110

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

SyncWatch-110

LISTING

<https://aumictechlabs.com/products/syncwatch-110-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO SyncWatch-110 is a portable synchronization testing unit for telecommunications networks. It validates SyncE, IEEE 1588 (PTP), and GNSS timing sources with precision alignment critical for 5G mobile networks, mobile backhaul, and data centers. On-site testing confirms timing accuracy across demanding infrastructure environments. Technical Specifications Synchronization Protocols SyncE (Synchronous Ethernet) testing and validation IEEE 1588 (Precision Time Protocol) in various profiles with sub-microsecond accuracy GNSS receiver supporting GPS, GLONASS, Galileo, and BeiDou constellations Timing Measurements Time error measurement against reference clocks per ITU-T G.8261, G.8262, G.8265, and G.8273.2 Frequency offset measurement Phase variation and wander analysis Jitter characterization per relevant standards GNSS Capabilities Multi-constellation support for enhanced availability and

accuracy Optimized time to first fix (TTFF) for quick signal acquisition Holdover performance maintains accurate time during GNSS signal loss Interfaces and Connectivity Ethernet: 10/100/1000 Base-T and 10/100/1000 Base-X (SFP) Timing I/O: 1PPS and Time-of-Day (TOD) ports GNSS antenna connector for external antenna Console port for device management USB ports for data transfer and firmware updates Electrical AC or DC power input Low power consumption for portable field deployment Physical Portable, compact form factor Integrated display for real-time monitoring and test results Intuitive user interface controls

Key Features Multi-protocol synchronization validation on a single platform eliminates need for multiple test instruments. Built-in GNSS receiver with holdover ensures continuous timing verification during satellite signal interruptions. Ethernet connectivity supports both twisted-pair and fiber optic transport. Real-time display enables immediate result interpretation during field commissioning and troubleshooting.

Typical Applications Network operators deploy the SyncWatch-110 for 5G timing validation, mobile backhaul synchronization verification, and data center clock distribution audits. Field technicians use it for on-site PTP profile confirmation and SyncE source qualification prior to network integration.

Compatibility & Integration The unit operates with standard Ethernet infrastructure via RJ-45 and SFP connections. Time-of-Day outputs interface with NTP and PTP timing systems. GNSS antenna ports accept standard connectors for rooftop or external antenna placement.

Features & description

From manufacturer datasheet

Technical Specifications

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Exfo SyncWatch-110 — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the Exfo SyncWatch-110. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values Request Calibration → Request Repair Quote →

Exfo SyncWatch-110 price

This Exfo SyncWatch-110 is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

Exfo SyncWatch-110 calibration cost

NIST-traceable calibration for the Exfo SyncWatch-110 is (standard — pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented,

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Unit notes

The EXFO SyncWatch-110 is a portable synchronization testing unit for telecommunications networks. It validates SyncE, IEEE 1588 (PTP), and GNSS timing sources with precision alignment critical for 5G mobile networks, mobile backhaul, and data centers. On-site testing confirms timing accuracy across demanding infrastructure environments.

Technical Specifications

Synchronization Protocols

- SyncE (Synchronous Ethernet) testing and validation
- IEEE 1588 (Precision Time Protocol) in various profiles with sub-microsecond accuracy

GNSS receiver supporting GPS, GLONASS, Galileo, and BeiDou constellations

Timing Measurements

- Time error measurement against reference clocks per ITU-T G.8261, G.8262, G.8265, and G.8273.2
- Frequency offset measurement
- Phase variation and wander analysis
- Jitter characterization per relevant standards

GNSS Capabilities

- Multi-constellation support for enhanced availability and accuracy
- Optimized time to first fix (TTFF) for quick signal acquisition
- Holdover performance maintains accurate time during GNSS signal loss

Interfaces and Connectivity

- Ethernet: 10/100/1000 Base-T and 10/100/1000 Base-X (SFP)
- Timing I/O: 1PPS and Time-of-Day (TOD) ports
- GNSS antenna connector for external antenna
- Console port for device management
- USB ports for data transfer and firmware updates

Electrical AC or DC power input

- Low power consumption for portable field deployment

Physical Portable, compact form factor

- Integrated display for real-time monitoring and test results

Intuitive

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
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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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.