

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

EXFO

EXFO EPX-100 OC-3/STM-1 Transmitter

Alias: EPX100; Gnubi EPX100; Clock Module Timing sources: internal; BITS timed; external External clock output: yes (scope/instrument trigger) Frequency counter reference: EPX100 timing reference Timing sources: internal; BITS timed; external External clock output: yes (scope/instrument trigger) Frequency counter reference: EPX100 timing reference Chassis compatibility: all Gnubi/EXFO EPX chassis models



MODEL

Exfo EPX-100

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

EPX-100

LISTING

<https://aumictechlabs.com/products/epx-100-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO EPX-100 OC-3/STM-1 Transmitter is a module that generates stable, reliable optical signals at OC-3/STM-1 rates for characterizing and troubleshooting optical networks. It operates as a plug-in module within EXFO EPX series chassis and provides flexible timing architecture with support for internal, BITS-timed, and external clock sources. The module enables remote operation via web browser control, simplifying setup and test execution across distributed test environments. Technical Specifications Signal Rate: OC-3/STM-1 optical transmission Laser Classification: Class 1M laser product per IEC 60825-1 Amendment 2:2001 and 21 CFR 1040.10 Timing Sources: Internal clock, BITS-timed clock, external clock source Clock Output: External clock signal for triggering external test equipment BITS Output: Capable of synchronizing multiple units from a single BITS source Frequency Counter Reference: Serves as timing reference for

frequency counter measurements Connector Interface: Bantam (for clock source module); standard fiber optic connector for optical signal output Remote Control: Web browser-based operation

Key Features Flexible timing synchronization options support BITS distribution and external clock integration Clock output capability enables synchronization with oscilloscopes and external measurement instruments BITS output functionality allows cascading of multiple units from a single synchronization source Class 1M laser compliance ensures safe operation in optical network environments

Typical Applications OC-3/STM-1 optical network signal generation for performance validation Timing reference provision for frequency counter measurements Multi-unit synchronization via BITS distribution Integration with external oscilloscopes and test equipment via clock output

Compatibility & Integration The EPX-100 module is designed exclusively for EXFO EPX series chassis deployment. Standard fiber optic connectors require proper cleaning and alignment for optimal performance. Bantam connector interface accommodates clock source module integration. The module complies with EN 60825-1:1994/A2:2001, EN 61326:1997/A2:2001, and EN 55022:1998/A1:2000.

Features & description

From manufacturer datasheet

Features

- Internal, BITS, and external clock sources

Applications

- Chassis timing reference for EPX SONET/SDH/PDH modules

EPX100 Characteristics / Specifications

PARAMETER	VALUE
Model	EPX-100
Manufacturer	EXFO / Gnubi
Instrument Type	Clock Source Module
Alias	EPX100; Gnubi EPX100; Clock Module
Connector interface	Bantam
Timing sources	internal; BITS timed; external
BITS input	yes
BITS output	yes (multi-unit timing)
External clock input	yes
External clock output	yes (scope/instrument trigger)
Frequency counter reference	EPX100 timing reference
Remote control	web browser
Chassis compatibility	all Gnubi/EXFO EPX chassis models
Slot usage	one slot
Part number examples	B0033-02; 0004-01; A0033-09
Referenced by modules	EPX200; EPX300; EPX610; other EPX TX/RX modules
Internal oscillator class (module examples)	±20 ppm (DS1 class boards) to ±50 ppm (DS3 class boards) on-board options when not using EPX100
Operating temperature class (EPX modules)	0 C to 40 C non-condensing
Form	modular chassis plug-in
Primary function	timing distribution and reference
Protocol role	synchronization for SONET/SDH/PDH test modules
Not an OC 3 optical transmitter	optical OC 3/STM 1 TX is EPX 600 class
Not STM 1 CMI transmitter	electrical STM 1 CMI TX is EPX 610
Catalog caution	some listings wrongly title EPX 100 as OC 3/STM 1 Transmitter Notes Specs from Gnubi/Artisan EPX100 clock source listings and EXFO

PARAMETER**VALUE**

discontinued EPX module datasheets that reference EPX100 timing. If the physical unit is an optical OC-3 transmitter, re-identify as EPX-600/EPX-650 rather than EPX-100.

Operating temperature

class (EPX modules): 0 C to 40 C non-condensing

General Specifications & Supplementary Characteristics

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Operating temperature	class (EPX modules): 0 C to 40 C non-condensing
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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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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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<https://aumictechlabs.com>

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.