

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

EXFO

Exfo FTB-8105 Transport Blazer

The Exfo FTB-8105 Transport Blazer is a powerful module for SONET/SDH, OTN, and PDH network testing up to 10 Gbps. It supports detailed transport analysis, error detection, and service validation. Integrated with EXFO's platforms, it helps engineers deploy, troubleshoot, and maintain modern long-haul and metro transport networks.



MODEL

Exfo FTB-8105

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FTB-8105

LISTING

<https://aumictechlabs.com/products/ftb-8105-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Exfo FTB-8105 Transport Blazer is a single-slot electrical test module for DSn/PDH and SONET/SDH signal validation up to 155 Mbit/s. Designed for TDM field service deployment and maintenance, it integrates with EXFO's FTB-200 Compact Platform and FTB-500 Platform to deliver comprehensive testing across traditional and modern transport networks. Technical Specifications Signal Rates: DSn/PDH from DS0/E0 through STM-1; SONET/SDH electrical signals to 155 Mbit/s Mapping Support: High-order (STS-1/3c, AU-3/AU-4) and low-order (VT1.5/2/6, VC-11/12/2/3) mappings Payload Range: Mixed and bulk payload generation and analysis from 64 kbit/s to 155 Mbit/s Electrical Interfaces: DSn/PDH and SONET/SDH electrical connections; clock interface support Ethernet Interfaces: 10/100/1000Base-T; Gigabit Ethernet (SFP); Ethernet ADD/DROP Gig-EKey Features SmartMode automatically detects signal structure and monitors all channels in real time, including mixed mappings and virtual concatenation (VCAT) members

across both high-order and low-order hierarchies Section/Regenerator Section (RS), Line/Multiplex Section (MS), High-order (HO), and Low-order (LO) channel overhead operation and monitoring Bit Error Rate (BER) testing and advanced performance evaluation Automated test scripting with multi-user remote management Transport Blazer Software Suite for DS_n/PDH, SONET/SDH, and multiservice test modules Typical Applications Field service technicians use the FTB-8105 to validate TDM circuit integrity, troubleshoot SONET/SDH signals, and test Ethernet-over-TDM services in production networks. Its real-time channel discovery and monitoring capabilities accelerate fault isolation in mixed-mapping environments. Compatibility & Integration The module operates within EXFO's FTB-200 Compact Platform and FTB-500 Platform ecosystems, enabling flexible deployment from portable field kits to stationary test stations.

Features & description

From manufacturer datasheet

Features

- Single-slot module up to 155 Mbit/s electrical
- DS_n, PDH, SONET, and SDH electrical rates
- SmartMode real-time signal structure discovery
- Dual DS1 and dual DS3 Rx capability
- Performance monitoring G.821/G.826/G.828/G.829/M.2100/M.2101
- Through mode, APS/service disruption, round-trip delay
- Compatible with FTB-200 and FTB-500 platforms

Applications

- TDM field service turn-up and troubleshooting
- DS1/DS3 and E1-E4 electrical BER testing
- STS-1e/STS-3e and STM-0e/STM-1e electrical SONET/SDH tests
- Ethernet-over-TDM workflows with Packet Blazer modules
- Dual DS1/DS3 receiver monitoring

FTB8105 Characteristics / Specifications

PARAMETER	VALUE
Model	FTB-8105
Manufacturer	EXFO
Instrument Type	DSn/PDH and SONET/SDH Electrical Test Module
Alias	FTB-8105 Transport Blazer
Platform compatibility	FTB-200; FTB-500
Slot form	single slot
Max electrical rate	155 Mbit/s
DSn interfaces	DS1; DS3; Dual DS1 Rx; Dual DS3 Rx
PDH interfaces	E1; E2; E3; E4
SONET electrical	STS-1; STS-3
SDH electrical	STM-0e; STM-1e
Tx bit rate DS	44.736 Mbit/s ± 4.6 ppm
Tx bit rate E	139.264 Mbit/s ± 4.6 ppm
Tx bit rate STS 1e	51.84 Mbit/s ± 4.6 ppm
Tx bit rate STS 3e STM 1e	155.52 Mbit/s ± 4.6 ppm
Rx frequency tolerance DS	± 140 ppm
Rx frequency tolerance other rates	± 100 ppm class
High order mappings	STS-1/3c; AU-3/AU-4
Low order mappings	VT1.5/2/6; VC-11/12/2/3
SizeHxWxD	96 mm x 25 mm x 288 mm
Weight without transceiver	0.5 kg
Operating temperature	0 °C to 40 °C class
Storage temperature	–40 °C to 60 °C class Notes Specs from EXFO FTB-8105 Transport Blazer discontinued datasheets. Confirm platform (FTB-200 vs FTB-500), licensed mappings, and electrical connector adapters on the module.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	−40 °C to 60 °C class
Operating temperature	0 °C to 40 °C class
Operating Temperature	0 °C to 40 °C class

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.

Performance monitoring G.821/G.826/G.828/G.829/M.2100/M.2101

- Through mode, APS/service disruption, round-trip delay

- Compatible with FTB-200 and FTB-500 platforms

Technical Specifications

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PARAMETER	VALUE
Model	FTB-8105
Manufacturer	EXFO
Instrument Type	DSn/PDH and SONET/SDH Electrical Test Module
Alias	FTB-8105 Transport Blazer
Platform compatibility	FTB-200; FTB-500
Slot form	single slot
Max electrical rate	155 Mbit/s
DSn interfaces	DS1; DS3; Dual DS1 Rx; Dual DS3 Rx
PDH interfaces	E1; E2; E3; E4
SONET electrical	STS-1; STS-3
SDH electrical	STM-0e; STM-1e
Tx bit rate DS1	1.544 Mbit/s ±4.6 ppm
Tx bit rate E1	2.048 Mbit/s ±4.6 ppm
Tx bit rate E2	8.448 Mbit/s ±4.6 ppm
Tx bit rate E3	34.368 Mbit/s ±4.6 ppm
Tx bit rate DS3	44.736 Mbit/s ±4.6 ppm
Tx bit rate STS 1e	51.84 Mbit/s ±4.6 ppm
Tx bit rate E4	139.264 Mbit/s ±4.6 ppm
Tx bit rate STS 3e STM 1e	155.52 Mbit/s ±4.6 ppm
Rx frequency tolerance DS1	±140 ppm
Rx frequency tolerance other rates	±100 ppm class
High order mappings	STS-1/3c; AU-3/AU-4
Low order mappings	VT1.5/2/6; VC-11/12/2/3
SizeHxWxD	96 mm x 25 mm x 288 mm

PARAMETER	VALUE
Weight without transceiver	0.5 kg
Operating temperature	0 °C to 40 °C class
Storage temperature	-40 °C to 60 °C class

Notes
Specs from EXFO FTB-8105 Transport Blazer discontinued datasheets. Confirm platform (FTB-200 vs FTB-500), licensed mappings, and electrical connector adapters on the module.

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.