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Data Sheet
August 14, 2026

EXFO

Exfo FTB-5230 1250nm Portable Optical Spectrum Analyzer

Exfo Optical Spectrum Analyzers. Resolution: 100.0 pm, Dynamic range: 10 dBm to –60 dBm.

MODEL Exfo FTB-5230	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU FTB-5230	LISTING https://aumictechlabs.com/products/ftb-5230-2/

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO FTB-5230 is a portable optical spectrum analyzer (OSA) module designed for field testing of CWDM and DWDM systems across metro, access, and long-haul network deployments. Operating within the EXFO FTB-400 Universal Test System platform, this cost-effective analyzer delivers essential OSA functionality for network commissioning, installation, management, and troubleshooting. The FTB-5230 spans 1250 nm to 1650 nm with wavelength resolution of 100.0 pm and peak FWHM linewidth ≤ 0.1 nm, enabling characterization of channel spacing down to 50 GHz. Wavelength uncertainty is ± 0.1 nm. Dynamic range extends from 10 dBm to –60 dBm with power uncertainty of ± 0.4 dB. Optical rejection reaches 55 dBc typically at 50 GHz (± 0.4 nm), 45 dBc at 100 GHz (± 0.8 nm), and up to 50 dBc at 0.2 nm spacing. PDL measures ± 0.1 dB typically at 1550 nm. Scanning time is 4 seconds across a 35 nm span for multiple-peak analysis. Optical return loss exceeds 35 dB. Technical Specifications Wavelength range: 1250 nm to 1650 nm Wavelength resolution: 100.0 pm; ≤ 0.1 nm FWHM Wavelength uncertainty: ± 0.1 nm Channel

spacing characterization: down to 50 GHz Dynamic range: 10 dBm to –60 dBm Power uncertainty: ± 0.4 dB Optical rejection ratio: 55 dBc @ 50 GHz, 45 dBc @ 100 GHz, up to 50 dBc @ 0.2 nm PDL @ 1550 nm: ± 0.1 dB typical Scan time: 4 seconds (35 nm span) Optical return loss: > 35 dB Maximum safe input power: 29 dBm Operating temperature: 0 to 40 °C Module dimensions: 96 mm (H) × 76 mm (W) × 26 mm (D) Module weight: 2.2 kg Key Features Drift mode for wavelength and power monitoring over time, critical for uncooled laser systems WDM and Optical Channel Analyzer (OCA) analysis modes CWDM/DWDM optimization with support for 33 to 200 GHz channel spacing Integrated within portable FTB-400 platform for multi-module field deployment Typical Applications Network commissioning and installation Wavelength and power stability verification ITU-T G.694.2 and G.695 compliant system testing Metro and long-haul CWDM/DWDM characterization Compatibility & Integration The FTB-5230 operates as a module within EXFO FTB-400, FTB-2, FTB-2 Pro, and FTB-500 platforms. Integration with EXFO's ToolBox software suite provides field testing and offline post-processing capabilities.

Features & description

From manufacturer datasheet

Built-in CWDM testing functionalities

Wavelength and power drift measurements Rugged battery-operated FTB module form factor Technical Specifications Wavelength Range: 1250 to 1650 nm Resolution Bandwidth FWHM: <=0.1 nm Wavelength Uncertainty: +/-0.1 nm Wavelength Uncertainty Typical 1520 to 1610 nm: +/-0.02 nm after user calibration Dynamic Range: 10 to -60 dBm Power Uncertainty at 1550 nm -10 dBm: +/-0.4 dB Optical Rejection Ratio at 50 GHz Typical: 40 dBc Optical Rejection Ratio at 50 GHz Minimum: 35 dBc Optical Rejection Ratio at 100 GHz Typical: 45 dBc PDL at 1550 nm Typical: +/-0.1 dB Scanning Time 35 nm Span Multiple Peak: 4 s ORL: >=40 dB Operating Temperature: 0 C to 40 C Storage Temperature: -20 C to 50 C Relative Humidity: 0% to 95% non-condensing Module Size HxWxD: 96 × 76 × 260 mm class Module Weight: approximately 1.8 kg (4 lb) class Connector Interface: EI UPC or EA APC universal interface Test Conditions Temperature: 23 C +/-2 C after warm-up Platform Class: FTB-400 Universal Test System module Optical Rejection Ratio at 12.5 GHz Typical Class: 40 dBc family note Humidity Noncondensing: 0% to 95% Connector Examples UPC: FC narrow key, SC, ST, DIN, E-2000 Connector Examples APC: FC narrow key, SC, DIN, E-2000

FTB5230 Characteristics / Specifications

PARAMETER	VALUE
Wavelength Range	1250 to 1650 nm
Resolution Bandwidth FWHM	<=0.1 nm
Wavelength Uncertainty	+/-0.1 nm
Wavelength Uncertainty Typical 1520 to 1610 nm	+/-0.02 nm after user calibration
Dynamic Range	10 to -60 dBm
Optical Rejection Ratio at 50 GHz Typical	40 dBc
Optical Rejection Ratio at 50 GHz Minimum	35 dBc
Optical Rejection Ratio at 100 GHz Typical	45 dBc
PDL at 1550 nm Typical	+/-0.1 dB
Scanning Time 35 nm Span Multiple Peak	4 s
ORL	>=40 dB
Operating Temperature	0 C to 40 C
Storage Temperature	-20 C to 50 C
Relative Humidity	0% to 95% non-condensing
Module Size HxWxD	96 × 76 × 260 mm class
Module Weight	approximately 1.8 kg (4 lb) class
Connector Interface	EI UPC or EA APC universal interface
Test Conditions Temperature	23 C +/-2 C after warm-up
Platform Class	FTB-400 Universal Test System module
Optical Rejection Ratio at 12.5 GHz Typical Class	40 dBc family note
Humidity Noncondensing	0% to 95%
Connector Examples UPC	FC narrow key, SC, ST, DIN, E-2000
Connector Examples APC	FC narrow key, SC, DIN, E-2000

PARAMETER	VALUE
Platform Host Example	FTB-400 Universal Test System
Bandwidth	FWHM: <=0.1 nm
Humidity	0% to 95% non-condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	20 C to 50 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
Module Size HxWxD	96 × 76 × 260 mm class
Module Weight	approximately 1.8 kg (4 lb) class
Connector Interface	EI UPC or EA APC universal interface
Test Conditions Temperature	23 C +/-2 C after warm-up
Platform Class	FTB-400 Universal Test System module
Optical Rejection Ratio at 12.5 GHz Typical Class	40 dBc family note
Humidity Noncondensing	0% to 95%
Connector Examples UPC	FC narrow key, SC, ST, DIN, E-2000
Connector Examples APC	FC narrow key, SC, DIN, E-2000
Platform Host Example	FTB-400 Universal Test System Notes From EXFO FTB-5200 series Optical Spectrum Analyzers specification sheet (FTB-5230 column). FTB-5230S/-OCA variants differ; confirm the exact module label before applying S-series limits.

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

Specifications

PARAMETER	VALUE
Wavelength Range	1250 to 1650 nm
Resolution Bandwidth FWHM	<=0.1 nm
Wavelength Uncertainty	+/-0.1 nm
Wavelength Uncertainty Typical 1520 to 1610 nm	+/-0.02 nm after user calibration
Dynamic Range	10 to -60 dBm

Power Uncertainty at 1550 nm -10 dBm: +/-0.4 dB

Specifications

PARAMETER	VALUE
Optical Rejection Ratio at 50 GHz Typical	40 dBc
Optical Rejection Ratio at 50 GHz Minimum	35 dBc
Optical Rejection Ratio at 100 GHz Typical	45 dBc
PDL at 1550 nm Typical	+/-0.1 dB
Scanning Time 35 nm Span Multiple Peak	4 s
ORL	>=40 dB
Operating Temperature	0 C to 40 C
Storage Temperature	-20 C to 50 C
Relative Humidity	0% to 95% non-condensing
Module Size HxWxD	96 x 76 x 260 mm class
Module Weight	approximately 1.8 kg (4 lb) class
Connector Interface	EI UPC or EA APC universal interface
Test Conditions Temperature	23 C +/-2 C after warm-up
Platform Class	FTB-400 Universal Test System module

Optical Rejection Ratio at 12.5 GHz Typical Class: 40 dBc family note

Specifications

PARAMETER	VALUE
Humidity Noncondensing	0% to 95%
Connector Examples UPC	FC narrow key, SC, ST, DIN, E-2000
Connector Examples APC	FC narrow key, SC, DIN, E-2000
Platform Host Example	FTB-400 Universal Test System

Notes
From EXFO FTB-5200 series Optical Spectrum Analyzers specification sheet (FTB-5230 column). FTB-5230S/-OCA variants differ; confirm the exact module label before applying S-series limits.

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

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