

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

EXFO

Exfo FTB-5240B 1250nm Portable Optical Spectrum Analyzer

Exfo FTB-5240B Optical Spectrum Analyzer Module The EXFO FTB-5240B is a portable DWDM optical spectrum analyzer module for the FTB-400 platform with sharper resolution and higher ORR than the FTB-5240. OEM SPFTB5240B lists wavelength range 1250 to 1650 nm, FWHM resolution bandwidth 0.033 nm, wavelength uncertainty plus or minus 0.03 nm (plus or minus 0.015 nm after user calibration), dynamic range 18 to minus 75 dBm, and ORR typical 40/50/55 dBc at 0.1/0.2/0.4 nm. DWDM system monitoring and OSNR measurement, ultra-dense WDM channel characterization, EDFA and spectral transmittance testing, and field/lab OSA work in the FTB-400 Universal Test System. The EXFO FTB-5240B is a portable DWDM optical spectrum analyzer module for the FTB-400 platform with sharper resolution and higher ORR than the FTB-5240. OEM SPFTB5240B lists wavelength range 1250 to 1650 nm, FWHM resolution bandwidth 0.033 nm, wavelength uncertainty plus or minus 0.03 nm (plus or minus 0.015 nm after user calibration), dynamic range 18 to minus 75 dBm, and ORR typical 40/50/55 dBc at 0.1/0.2/0.4 nm. DWDM system monitoring and OSNR measurement, ultra-dense WDM channel characterization, EDFA and spectral transmittance testing, and field/lab OSA work in the FTB-400 Universal Test System.



MODEL

Exfo FTB-5240B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FTB-5240B

LISTING

<https://aumictechlabs.com/products/ftb-5240b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The EXFO FTB-5240B is a portable optical spectrum analyzer module designed for DWDM system analysis, delivering lab-quality performance in a field-deployable unit. It integrates with the EXFO FTB-400 Universal Test System and combines one-button operation with an intuitive graphical touchscreen interface. The magnesium alloy enclosure with rubber bumpers withstands field deployment while remaining lightweight. Technical Specifications Wavelength Range: 1250 nm to 1650 nm Spectral Resolution Depth: Up to 40 dBc at 0.1 nm; up to 50 dBc at 0.2 nm; up to 55 dBc at 0.4 nm Bandwidth Resolution: 0.033 nm typical, enabling distinction of closely spaced channels Channel Spacing Analysis: Supports 25 GHz, 50 GHz, and 100 GHz channel spacing; capable of analyzing up to 512 channels in DWDM mode Wavelength Accuracy: ± 0.030 nm with internal reference; ± 15 pm (0.015 nm) with external calibration Dynamic Range: 93 dB Input Power Range: +18 dBm per channel down to -75 dBm (linearity may degrade above +15 dBm) Internal Calibration: Features internal reference source for wavelength calibration External Calibration: Supports external study source calibration for enhanced accuracy Key Features Adjustable wavelength scanning range covering all telco bands and optical supervisory channels Signal-to-noise ratio measurements via spectral resolution depth Test modes include Normal, In-Band, and Drift Supported test types: DFB lasers, EDFA, Fabry-Perot lasers, Spectral Analysis, Spectral Transmittance, and trace comparison Typical Applications Installation, commissioning, and maintenance of optical networks DWDM system troubleshooting and characterization Component analysis requiring narrow channel spacing resolution Compatibility & Integration Designed as a module for the EXFO FTB-400 Universal Test System.

FTB5240B Characteristics / Specifications

PARAMETER	VALUE
Wavelength Range	1250 to 1650 nm
Resolution Bandwidth FWHM Typical	0.033 nm
Wavelength Uncertainty	plus or minus 0.03 nm
Wavelength Uncertainty After User Cal	plus or minus 0.015 nm
Wavelength Repeatability	plus or minus 0.003 nm
Wavelength Linearity Typical	plus or minus 0.01 nm
Dynamic Range	18 to minus 75 dBm
Power Uncertainty	plus or minus 0.4 dB at 1550 nm minus 10 dBm
ORR At 12.5 GHz 0.1 nm Typical	40 dBc
ORR At 12.5 GHz 0.1 nm Minimum	35 dBc
ORR At 25 GHz 0.2 nm Typical	50 dBc
ORR At 25 GHz 0.2 nm Minimum	45 dBc
ORR At 50 GHz 0.4 nm Typical	55 dBc
ORR At 50 GHz 0.4 nm Minimum	50 dBc
PDL At 1550 nm Typical	plus or minus 0.07 dB
PDL At 1550 nm Maximum	plus or minus 0.15 dB
Scanning Time	less than 1.5 s for 35 nm span full resolution multi-peak
ORL	greater than 35 dB
Module Size HxWxD	96 mm x 76 mm x 260 mm class (3.75 in x 3 in x 10.25 in)
Module Weight	2.2 kg
Operating Temperature	0 C to 40 C
Storage Temperature	minus 20 C to 50 C
Relative Humidity	0 to 95 percent non-condensing
Platform	FTB-400 Universal Test System
Channel Analysis Capacity	up to 512 channels

PARAMETER	VALUE
Spec Ambient	23 C plus or minus 2 C FC/UPC after warmup
Bandwidth	FWHM Typical: 0.033 nm
Humidity	0 to 95 percent non-condensing

FTB5240B Specifications

PARAMETER	VALUE
Key Features	0.033 nm class resolution bandwidth
Up to 512 DWDM channels analyzed	Three-slot FTB-400 module
Technical Specifications	Wavelength Range: 1250 to 1650 nm

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 20 C to 50 C
Operating temperature	0 C to 40 C
Operating Temperature	0 C to 40 C
Humidity	0 to 95 percent non-condensing
Relative Humidity	0 to 95 percent non-condensing
Platform	FTB-400 Universal Test System
Channel Analysis Capacity	up to 512 channels
Spec Ambient	23 C plus or minus 2 C FC/UPC after warmup Notes From EXFO FTB-5240/FTB-5240B Optical Spectrum Analyzer datasheet SPFTB5240B.7AN FTB-5240B column. ORR and resolution values typical withinCandLbands.

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 Typical	0.033 nm
Wavelength Uncertainty	plus or minus 0.03 nm
Wavelength Uncertainty After User Cal	plus or minus 0.015 nm
Wavelength Repeatability	plus or minus 0.003 nm
Wavelength Linearity Typical	plus or minus 0.01 nm
Dynamic Range	18 to minus 75 dBm
Power Uncertainty	plus or minus 0.4 dB at 1550 nm minus 10 dBm
ORR At 12.5 GHz 0.1 nm Typical	40 dBc
ORR At 12.5 GHz 0.1 nm Minimum	35 dBc
ORR At 25 GHz 0.2 nm Typical	50 dBc
ORR At 25 GHz 0.2 nm Minimum	45 dBc
ORR At 50 GHz 0.4 nm Typical	55 dBc
ORR At 50 GHz 0.4 nm Minimum	50 dBc
PDL At 1550 nm Typical	plus or minus 0.07 dB
PDL At 1550 nm Maximum	plus or minus 0.15 dB
Scanning Time	less than 1.5 s for 35 nm span full resolution multi-peak
ORL	greater than 35 dB
Module Size HxWxD	96 mm x 76 mm x 260 mm class (3.75 in x 3 in x 10.25 in)
Module Weight	2.2 kg
Operating Temperature	0 C to 40 C
Storage Temperature	minus 20 C to 50 C
Relative Humidity	0 to 95 percent non-condensing
Platform	FTB-400 Universal Test System
Channel Analysis Capacity	up to 512 channels
Spec Ambient	23 C plus or minus 2 C FC/UPC after warmup

Notes

From EXFO FTB-5240/FTB-5240B Optical Spectrum Analyzer datasheet SPFTB5240B.7AN FTB-5240B column. ORR and resolution values typical withinCandLbands.

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>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.