FTB-5240S-HPW-NS1711

OPTICAL SPECTRUM ANALYZER (OSA)

This future-proof OSA goes beyond the limitations of a simple channel checker, offering stripped-down software without the overhead of a full OSA—providing the power and wavelength required for any type of network and transmission.



KEY FEATURES

Versatile and flexible OSA for CWDM, DWDM and hybrid network testing

Ideal for WDM-PON and parallel optics validation

Minimal acquisition cost, ideal for today's testing requirements

Future proof: upgradable to a full OSA via software key upgrade



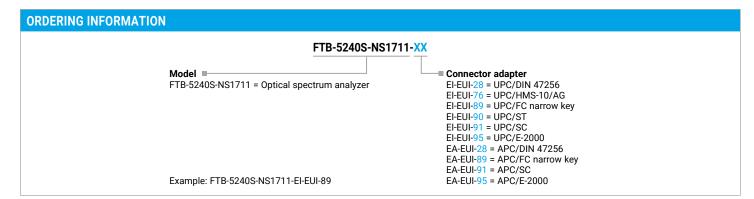
SPECIFICATIONS^a

SPECTRAL MEASUREMENT	
Wavelength range (nm)	1250 to 1650
Wavelength uncertainty (nm) ^b	±0.05 ±0.01 ^{c, d}
Reference	Internal ^e
Resolution bandwidth (FWHM) (nm) ^f	0.065 b, d
Wavelength linearity (nm)	±0.01 b,d
Wavelength repeatability 2σ (nm)	±0.003 ^g

POWER MEASUREMENT	
Dynamic range (dBm) (per channel) b	-70 h to +23
Maximum total safe power (dBm)	+29
Absolute power uncertainty (dB) ⁱ	±0.5
Power repeatability 2σ (dB) ^{d, g}	±0.05

	GENERAL SPECIFICATIONS		
	Temperature	operating storage	0 °C to 40 °C (32 °F to 104 °F) -20 °C to 50 °C (-4 °F to 120 °F)
	Connectors		EI (EXFO UPC Universal Interface) EA (EXFO APC Universal Interface)
	Size (H x W x D)	FTB-5240S module FTB-5240BP module	96 mm x 51 mm x 260 mm (3 ¾ in x 2 in x 10 ¼ in) 96 mm x 76 mm x 260 mm (3 ¾ in x 3 in x 10 ¼ in)
	Weight	FTB-5240S module FTB-5240BP module	1. 5 kg (3.3 lb) 1.7 kg (3.8 lb)

LASER SAFETY 21 CFR 1040.10 AND IEC 60825-1 CLASS 1 LASER PRODUCT



- a. All specifications are for a temperature of 23 °C ± 2 °C with an FC/UPC connector unless otherwise specified, after warm-up.
- b. From 1520 to 1610 nm.
- c. After user calibration in the same test session within 10 nm from each calibration point.
- d. Typical.
- $e. \ \ Integrated \ and \ wavelength-independent \ self-adjustment.$

- f. Full width at half maximum.
- g. Over one minute in continuous acquisition mode.
- h. With averaging.
- i. At 1550 nm, -10 dBm input.

EXFO headquarters **T** +1 418 683-0211 **Toll-free** +1 800 663-3936 (USA and Canada)

EXFO serves over 2000 customers in more than 100 countries. To find your local office contact details, please go to www.EXFO.com/contact.

For the most recent patent marking information, please visit www.EXFO.com/patent. EXFO is certified ISO 9001 and attests to the quality of these products. EXFO has made every effort to ensure that the information contained in this specification sheet is accurate. However, we accept no responsibility for any errors or omissions, and we reserve the right to modify design, characteristics and products at any time without obligation. Units of measurement in this document conform to SI standards and practices. In addition, all of EXFO's manufactured products are compliant with the European Union's WEEE directive. For more information, please visit www.EXFO.com/recycle. Contact EXFO for prices and availability or to obtain the phone number of your local EXFO distributor.

For the most recent version of this spec sheet, please go to www.EXFO.com/specs.

In case of discrepancy, the web version takes precedence over any printed literature.

