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

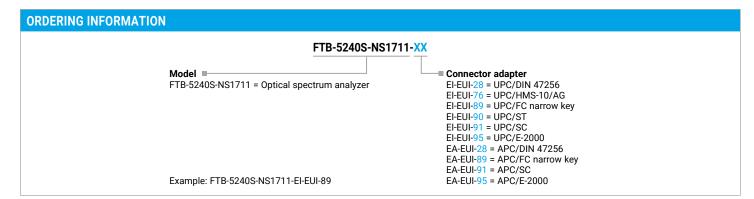Future proof: upgradable to a full OSA via software key upgrade

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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

ORDERING INFORMATION

FTB-5240S-NS1711-XX

Model
FTB-5240S-NS1711 = Optical spectrum analyzer

Connector adapter
EI-EUI-28 = UPC/DIN 47256
EI-EUI-76 = UPC/HMS-10/AG
EI-EUI-89 = UPC/FC narrow key
EI-EUI-90 = UPC/ST
EI-EUI-91 = UPC/SC
EI-EUI-95 = UPC/E-2000
EA-EUI-28 = APC/DIN 47256
EA-EUI-89 = APC/FC narrow key
EA-EUI-91 = APC/SC
EA-EUI-95 = APC/E-2000

Example: FTB-5240S-NS1711-EI-EUI-89

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.

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