

FTBx-2250

BROADBAND SOURCE



Compact, rugged and highly reliable—an essential lab testing building block.

KEY FEATURES

SLED CWDM range (1460 to 1625 nm)

Fixed output power

Optimized for power stability

High spectral density

RELATED PRODUCTS



Power meter
FTBx-1750



Optical switch
FTBx-9150



Variable attenuator
FTBx-3500

BROAD SPECTRAL RANGE, IMPRESSIVE POWER

The high-power, SLED-based FTBx-2250 Broadband Source family covers the bands needed for telecommunications applications. The highly stable FTBx-2250 is ideal for broadband applications, coarse wavelength-division multiplexing (CWDM) network testing, and passive optical networks (PON) component manufacturing and testing, as well as fiber-optic sensing and spectroscopy.

Single output source

For CWDM testing, the SCLi option, covering the S, C and L bands, enables accurate characterization of fiber links and their passive components, with a very cost-effective test setup. Presence of an optical isolator makes the output of the SCLi source highly stable.



Designed for component testing

EXFO's FTBx-2250 offers enough power along the spectrum to measure high-level insertion loss. By combining the FTBx-2250 with an optical spectrum analyzer (OSA), you can efficiently qualify your components during development or perform pass/fail testing during production.

High spectral-density stability

High spectral density stability is essential to ensure that the test setup produces accurate measurements, time and again. The more stable the spectrum, the less often a reference trace has to be acquired. This translates into better productivity.

After a reference trace is acquired with the OSA, it can be subtracted to all subsequent traces. With no device under test (DUT) in the system, the resulting traces, centered around the averaged value, present the typical spectral fluctuations of the source.

SPECIFICATIONS ^{a, b}	
SLED source	
Parameter	FTBx-2250-SCLi-1
Mean wavelength (nm)	1550 ± 25
Output power (dBm)	≥ -5
Minimum spectral density (dBm/nm)	-30 (1460-1625 nm)
Total power stability (dB) ^c 15 min	±0.02
Fiber type (µm)	9/125

Notes

- Specifications are valid at 23 °C ± 1 °C, at maximum power after warmup time, with isolator, for return loss of ≥ 30 dB.
- Typical value.
- Stability is expressed as ± half the difference between the maximum and minimum values measured in the period.

GENERAL SPECIFICATIONS

Size (H x W x D)	25 mm X 159 mm X 185 mm (1 in X 6 1/4 in X 6 7/8 in)
Temperature	operating 5 °C to 35 °C (41 °F to 95 °F) storage -30 °C to 70 °C (-22 °F to 158 °F)
Relative humidity	0 % to 80 % non-condensing

SAFETY

IEC 60825-1:A2: 2001
Class 1M LED Product

INSTRUMENT DRIVERS

IVI Drivers, LabVIEW™ drivers and SCPI commands

REMOTE CONTROL (AUTOMATION)

With LTB-8: GPIB (IEEE-488.1, IEEE-488.2) Ethernet and RS-232.

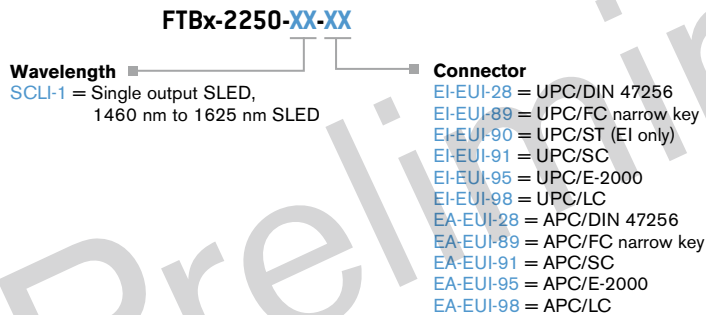
SAFETY

Class 1 Laser Product and Class 1 LED Product

STANDARD ACCESSORIES

User guide and Certificate of Compliance.

ORDERING INFORMATION



Example: FTBx-2250-SCLI-1-EA-EUI-89

EXFO Headquarters > Tel.: +1 418 683-0211 | Toll-free: +1 800 663-3936 (USA and Canada) | Fax: +1 418 683-2170 | info@EXFO.com | www.EXFO.com

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