

FLS-5834B

CD/PMD ANALYZER SOURCE

- The FLS-5834B is a modulated, polarized, high-power LED that can also be used as a broadband source for DWDM channel and component testing.



KEY FEATURES AND BENEFITS

High-power super LED (SLED)

Modulated for chromatic dispersion measurement

Polarized for PMD measurement

Broadband spectral range

RELATED PRODUCTS



Chromatic dispersion (CD)
analyzer
FTB-5800



Polarization mode
dispersion (PMD) analyzer
FTB-5500B

HIGH MODULATION

The FLS-5834B's high modulation makes it a perfect complement to the FTB-5800 chromatic dispersion (CD) analyzer, whose technology is based on the phase-shift method. This first-class duo lets you run CD measurements through amplifiers such as EDFAs, providing the highest accuracy in field CD testing.

HIGH DEGREE OF POLARIZATION

When you need a broadband, highly polarized source for measuring polarization mode dispersion (PMD), turn to the FLS-5834B. Test PMD through EDFAs by combining the FLS-5834B with the patented, breakthrough technology of the FTB-5500B PMD analyzer.

SPECIFICATIONS (TYPICAL)		GENERAL SPECIFICATIONS	
Center wavelength (nm)	1580 ±10	Size (H x W x D)	194 mm x 99 mm x 40 mm (7.6 in x 3.9 in x 1.6 in)
Output power (dBm)	7	Weight	0.5 kg (1.1 lb)
Peak spectral density (dBm/nm)	> -12.5	Temperature	Operating 0 °C to 40 °C (32 °F to 104 °F) Storage -20 °C to 50 °C (-4 °F to 122 °F)
Power stability (10 minutes) (dB)	< 0.075	Relative humidity	0 % to 90 % non-condensing
Modulation frequency (MHz)	100		

LED SAFETY



ORDERING INFORMATION

FLS-5834B-XX

Connector

EI-EUI-89 = UPC/FC
 EA-EUI-89 = APC/FC
 EI-EUI-90 = UPC/ST^a
 EI-EUI-91 = UPC/SC
 EA-EUI-91 = APC/SC
 EI-EUI-95 = UPC/E2000
 EA-EUI-95 = APC/E2000
 EI-EUI-98 = UPC/LC
 EA-EUI-98 = APC/LC
 EI-EUI-28 = UPC/DIN 47256
 EA-EUI-28 = APC/DIN 47256

Example: FLS-5834B-EI-EUI-91

a. EUI-90 ST connector is only available in UPC configuration

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.