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## Test & Measurement

- > sales
- > rentals
- > calibration
- > repair
- > disposal

## Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

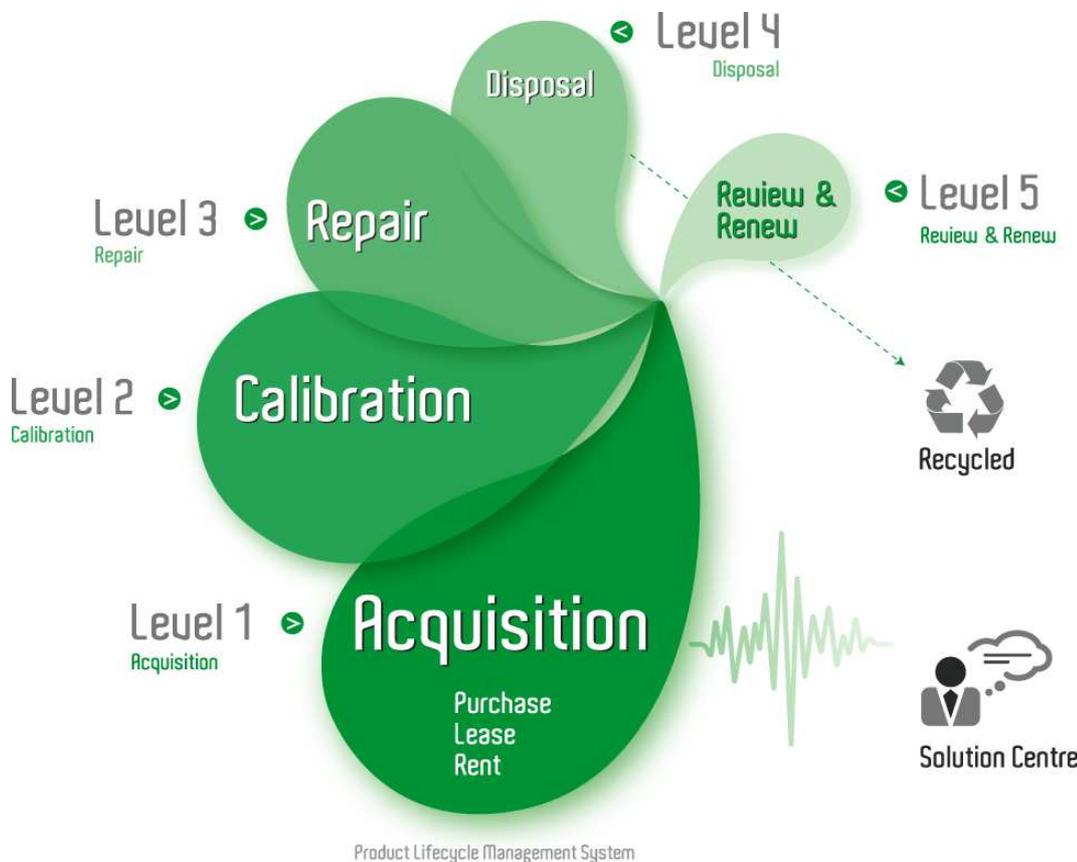
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Product Lifecycle Management System

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# 5800

R&D AND MANUFACTURING

## CD/PMD ANALYZER SOURCE

### FLS-5800



- High-power super LED (SLED)
- Modulated for chromatic dispersion measurement
- Polarized for PMD measurement
- Broadband spectral range

EXFO's FLS-5800 CD/PMD Analyzer Source is a modulated, polarized, high-power SLED. Thanks to its high power density, you can use it as a broadband source for DWDM channel and component testing.

#### High Modulation

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

#### High Degree of Polarization

When measuring PMD and a broadband, polarized source is required, turn to the FLS-5800, which features a high degree of polarization. Test PMD through EDFA's by combining the FLS-5800 with patent-design breakthrough technology FTB-5500B PMD Analyzer.

# CD/PMD Analyzer Source

## SPECIFICATIONS<sup>1</sup>

	C band	L band
Center wavelength (nm)	1550 ± 10	1607.5 ± 17.5
Output power (dBm)	4	4
Peak spectral density (dBm/nm)	> -12.5	> -12.5
Power stability (15 minutes) (dB)	< 0.075	< 0.075
Modulation frequency (MHz)	100	101

### Notes

1. Typical

## GENERAL SPECIFICATIONS

Temperature	Operating	0 °C to 40 °C	(32 °F to 104 °F)
	Storage	-20 °C to 50 °C	(-4 °F to 122 °F)
Relative humidity (non-condensing)		0 % to 90 %	
Size (H x W x D)		11.7 cm x 22.2 cm x 33.3 cm	4 3/8 in x 8 3/4 in x 13 1/8 in
Weight		3.2 kg	7.1 lb

## ORDERING INFORMATION

### CD/PMD Analyzer Source

#### FLS-58XX-XX

#### Model

FLS-5803 = 1550 nm SuperLED  
 FLS-5804 = 1625 nm SuperLED  
 FLS-5834 = 1550 nm and 1625 nm SuperLEDs

#### Connector

EI-EUI-28 = UPC/DIN 47256  
 EI-EUI-76 = UPC/HMS-10/AG (EI only)  
 EI-EUI-89 = UPC/FC narrow key  
 EI-EUI-90 = UPC/ST (EI only)  
 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: FLS-5803-EI-EUI-89

### LED SAFETY

IEC 60825-1: 2001 CLASS 1M LED PRODUCT



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EXFO is certified ISO 9001 and attests to the quality of these products. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. 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.

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 the EXFO website at <http://www.exfo.com/specs>

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