



- Wide-spectrum LED models for PMD measurement
- 2 kHz modulation for fiber identification
- Three-way powering
- Battery life up to 40 hours



Wide-Spectrum Polarized Source

Specially designed to work with the FTB-5500 PMD Analyzer, the wide-spectrum FLS-110 Optical Polarized Source provides the high power output needed to measure polarization mode dispersion in the field.

Practical Features

The FLS-110 offers CW and 2 kHz modulation for fiber identification, complete status indicators, low battery indicator and an auto-off function. The unit is housed in a sturdy, waterproof case surrounded by a shock-absorbing holster that protects the instrument in tough field conditions. Choose between the 1310 nm or the 1550 nm LED models. Both units feature high and low power levels to maximize battery life.

Power to Spare

The FLS-110 features three complementary power sources for extended operation. When the rechargeable NiCd battery runs low, the unit automatically switches to the 9 V alkaline battery backup. An AC adapter/charger is also supplied for continuous operation.

Optical Polarized Source

SPECIFICATIONS

GENERAL SPECIFICATIONS

Size (H x W x D)	22 cm x 11 cm x 5 cm (8 7/8 in x 4 1/2 in x 2 in)	
Weight	unit	0.75 kg (1 1/2 lb)
	shipping	2.5 kg (5 lb)
Temperature	operating	-10 °C to 40 °C (14 °F to 122 °F)
	storage	-30 °C to 60 °C (-22 °F to 140 °F)
Power	NiCd batteries, 9 V alkaline batteries, AC adapter/charger	
Battery life (NiCd + 9 V)	Up to 40 hours	

STANDARD ACCESSORIES

User guide, AC adapter/charger, built-in NiCd batteries, 9 V alkaline battery, carrying case, protective holster, shoulder strap and Certificate of Compliance

POLARIZED SOURCE SPECIFICATIONS¹

Model	-02P	-03P
Nominal Wavelength (nm)	1310	1550
Spectral width (nm)	≥ 35	≥ 65
Emitter type	LED	LED
Typical output power (dBm) 9/125 μm	-16	-20

SAFETY

This product complies with 21 CFR 1040.10 and 1040.11, and with IEC 60825-1:1993+A1:1997. CLASS 1 LED PRODUCT

Notes

- At 23 °C ± 2 °C.

ORDERING INFORMATION

FLS-110-**XXX-XX**

Source code

Single wavelength

02P = 1310 nm LED

03P = 1550 nm LED

Connector code

58 = FC/APC narrow key

89 = FC/UPC

91 = SC/UPC

EI-EUI-28 = UPC/DIN 47256

EI-EUI-76 = UPC/HMS-10/AG

EI-EUI-89 = UPC/FC

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

EA-EUI-91 = APC/SC

EA-EUI-95 = APC/E-2000

Example: FLS-110-02P-EI-EUI-89 for FC/UPC interface

FLS-110-02P-EA-EUI-89 for FC/APC interface

Find out more about EXFO's extensive line of high-performance portable instruments by visiting our website at www.exfo.com.



Rugged Handheld Solutions

- OLTS
- Power meter
- Light source
- Talk set



Optical Fiber

- OTDR
- OLTS
- ORL meter
- Switch

DWDM Test Systems

- OSA
- PMD analyzer
- Chromatic dispersion analyzer
- Multiwavelength meter

Telecom/Datacom

- 10/100 and Gigabit Ethernet
- SONET/SDH (DS0 to OC-192c)
- SDH/PDH (64 kb/s to STM-64c)

Corporate Headquarters > 400 Godin Avenue, Vanier (Quebec) G1M 2K2 CANADA | Tel.: 1 418 683-0211 | Fax: 1 418 683-2170 | info@exfo.com

Toll-free: 1 800 663-3936 (USA and Canada) | www.exfo.com

EXFO America	4275 Kellway Circle, Suite 122	Addison, TX 75001 USA	Tel.: 1 800 663-3936	Fax: 1 972 836-0164
EXFO Europe	Le Dynasteur, 10/12 rue Andras Beck	92366 Meudon la Forêt Cedex FRANCE	Tel.: +33.1.40.83.85.85	Fax: +33.1.40.83.04.42
EXFO Asia-Pacific	151 Chin Swee Road, #03-29 Manhattan House	SINGAPORE 169876	Tel.: +65 6333 8241	Fax: +65 6333 8242
EXFO China	Beijing New Century Hotel Office Tower, Room 1754-1755 No. 6 Southern Capital Gym Road	Beijing 100044 P. R. CHINA	Tel.: +86 (10) 6849 2738	Fax: +86 (10) 6849 2662

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.