

FLS-110

NETWORK TESTING—OPTICAL



- Wide-spectrum LED models for PMD measurement
- 2 kHz modulation for fiber identification
- Three-way powering
- Battery life of 14 hours (typical)

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 O band or the C band 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.

EXFO
EXPERTISE REACHING OUT

Next-Generation Network Assessment

überreicht durch:
Opternus

Opternus GmbH Optische Spleiss- & Messtechnik
Bahnhofstr. 5
D-22941 Bargteheide
Tel. +49(0)4532-20 44-0
Fax +49(0)4532-20 44-25

Büro Süd:

Wäldenbronner Str. 2
D-73732 Esslingen

Tel. +49(0)711-3 10 59 99-0
Fax +49(0)711-3 10 59 99-99

E-Mail: info@opternus.de - www.opternus.de - www.opternus-shop.de

GENERAL SPECIFICATIONS

Size (H x W x D)	220 mm x 110 mm x 50 mm (8 3/4 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)	14 hours (typical)	

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 SPECIFICATIONS^a

Model	-02P	-03P
Nominal wavelength (nm)	O band	C band
Spectral width (nm)	≥ 35	> 37
Emitter type	LED	SLED
Typical output power (dBm) 9/125 μm	-19	-13

SAFETY

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

NOTE

a. At 23 °C ± 2 °C.

ORDERING INFORMATION

FLS-110-XXX-XX

Source code ■

Single wavelength

02P = O band LED

03P = C band 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)

EXFO Corporate Headquarters > 400 Godin Avenue, Quebec City (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	3701 Plano Parkway, Suite 160	Plano, TX 75075 USA	Tel.: +1 800 663-3936	Fax: +1 972 836-0164
EXFO Asia	151 Chin Swee Road, #03-29 Manhattan House	SINGAPORE 169876	Tel.: +65 6333 8241	Fax: +65 6333 8242
EXFO China	36 North, 3 rd Ring Road East, Dongcheng District Room 1207, Tower C, Global Trade Center	Beijing 100013 P. R. CHINA	Tel.: +86 10 5825 7755	Fax: +86 10 5825 7722
EXFO Europe	Omega Enterprise Park, Electron Way	Chandlers Ford, Hampshire S053 4SE ENGLAND	Tel.: +44 2380 246810	Fax: +44 2380 246801
EXFO NetHawk	Elektronikkatie 2	FI-90590 Oulu, FINLAND	Tel.: +358 (0)403 010 300	Fax: +358 (0)8 564 5203
EXFO Service Assurance	270 Billerica Road	Chelmsford, MA 01824 USA	Tel.: +1 978 367-5600	Fax: +1 978 367-5700

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. 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 the EXFO website at www.EXFO.com/specs.

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

SPFLS110.7AN

© 2010 EXFO Electro-Optical Engineering Inc. All rights reserved.



Printed in Canada 10/12



EXPERTISE REACHING OUT

überreicht durch:



Opternus GmbH Optische Spleiss- & Messtechnik

Bahnhofstr. 5
D-22941 Bargtheide

Tel. +49(0)4532-20 44-0
Fax +49(0)4532-20 44-25

Büro Süd:

Wäldenbronner Str. 2
D-73732 Esslingen

Tel. +49(0)711-3 10 59 99-0
Fax +49(0)711-3 10 59 99-99

E-Mail: info@opternus.de - www.opternus.de - www.opternus-shop.de