

Light Source/Laser Source

FOS-120A/FLS-130A



Single- or dual-wavelength configuration

2-kHz signal generation for fiber identification

Dual powering: 9 V battery and AC adapter/charger

Auto-off function



Fiber-optic T&M,
monitoring, manufacturing
and assembly solutions

EXFO

Delivering Optical Source Stability

The FOS-120A Light Source and FLS-130A Laser Source deliver excellent stability. They are compatible with the FOT-10A and FOT-20A Power Meters, which are suitable for a variety of testing applications including continuity and end-to-end testing.



Versatility

The FOS-120A Light Source and FLS-130A Laser Source feature single- and dual-wavelength sources from single or double ports. The units deliver continuous wave (CW) signals for power/loss measurements and 2-kHz signal generation for fiber identification. Certain FOS-120A models and all FLS-130A models are equipped with EXFO's Universal Interface.

Unit Powering

Powering options include a 9 V battery and a standard AC adapter. The battery life offers a minimum of seven hours of continuous operation. An auto-off function with a 10-minute timer is included to preserve battery life.

Accessories

Each unit comes complete with a rigid carrying case, a shockproof PVC holster with strap, as well as SC, ST and FC connectors.



Key Features

- Single- or dual-wavelength configuration
- 2-kHz signal generation for fiber identification
- Dual powering: 9 V battery and AC adapter/charger
- Auto-off function
- Rigid carrying case and shockproof holster with strap
- Equipped with EXFO's Universal Interface, except for certain FOS-120A models

Specifications

Specifications—FOS-120A Light Source (LED)

Models	FOS-121A	FOS-122A	FOS-123A	FOS-124A	FOS-125A
Wavelength ¹ (nm)	850 ± 30	1310 ± 40	1550 ± 30	850 ± 30 1310 ± 40	1310 ± 30 1550 ± 30
Spectral width ^{2,3} (nm)	50	145	70	50/145	70/70
Launch power ³ (dBm)					
9/125 μm	N/A	N/A	-25	N/A	-20/-25
50/125 μm	-17	-20	-25	-17/-20	-20/-25
62.5/125 μm	-14	-16	-25	-14/-16	-20/-25
Power stability ⁴ (dB)					
1 h	± 0.03	± 0.06	± 0.08	± 0.03/± 0.06	± 0.06/± 0.08
8 h	± 0.05	± 0.10	± 0.12	± 0.05/± 0.10	± 0.10/± 0.12
Output ports	1	1	1	2	2

Specifications—FLS-130A Laser Source (Laser)

Models	FLS-132A	FLS-133A	FLS-135A	FLS-136A
Wavelength ¹ (nm)	1310 ± 20	1550 ± 20	1310 ± 20 1550 ± 20	1310 ± 20 1550 ± 20
Spectral width ⁵ (nm)	≤ 5	≤ 5	≤ 5/5	≤ 5/5
Launch power ³ (dBm)				
9/125 μm	-7	-7	-7/-7	-8/-8
50/125 μm	-7	-7	-7/-7	-8/-8
62.5/125 μm	-7	-7	-7/-7	-8/-8
Power stability ⁴ (dB)				
1 h	± 0.06	± 0.08	± 0.06/± 0.08	± 0.06/± 0.08
8 h	± 0.10	± 0.12	± 0.10/± 0.12	± 0.10/± 0.12
Output ports	1	1	2	1

General Specifications—FOS-120A and FLS-130A

Size (H × W × D)	22.2 cm × 10.3 cm × 5.9 cm	(8 3/4 in × 4 1/16 in × 2 1/4 in)
Weight		
unit	0.6 kg	(1.4 lb)
shipping	1.8 kg	(4 lb)
Temperature operating	-10 °C to 50 °C	(14 °F to 122 °F)

Standard Accessories

User Guide, carrying case, 9 V battery, AC adapter, protective holster, shoulder strap and Certificate of Compliance.

Laser Safety

21 CFR 1040.10 and IEC-60825-1 CLASS 1 LASER PRODUCT
CLASS 1 LED PRODUCT

Notes

- At 23 °C.
- FWHM = Full width at half maximum.
- Typical.
- For a temperature stability of ± 1 °C.
- rms = root mean square.

Ordering Information

Light Source

FOS-12XA-XX

Model

FOS-121A = 850 nm
 FOS-122A = 1300 nm
 FOS-123A = 1550 nm
 FOS-124A = 850/1300 nm (2 ports)
 FOS-125A = 1310/1550 nm (2 ports)

Connector

50 = FC/PC
 54 = SC/PC
 74 = ST/PC
 EI-EUI-28 = UPC/DIN 47256*
 EI-EUI-76 = UPC/HMS-10/AG*
 EI-EUI-89 = UPC/FC narrow key*
 EI-EUI-90 = UPC/ST*
 EI-EUI-91 = UPC/SC*
 EI-EUI-95 = UPC/E-2000*

Example: FOS-123A-EI-EUI-89

* for models FOS-123A and FOS-125A only

Laser Source

FLS-13XA-XX

Model

FLS-132A = 1310 nm
 FLS-133A = 1550 nm
 FLS-135A = 1310/1550 nm (2 ports)
 FLS-136A = 1310/1550 nm (1 port)

Connector

50 = FC/PC
 54 = SC/PC
 74 = ST/PC
 EI-EUI-28 = UPC/DIN 47256
 EI-EUI-76 = UPC/HMS-10/AG
 EI-EUI-89 = UPC/FC narrow key
 EI-EUI-90 = UPC/ST
 EI-EUI-91 = UPC/SC
 EI-EUI-95 = UPC/E-2000

Example: FLS-135A-EI-EUI-89

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



Rugged Handheld Solutions

- OLTS
- Power Meter
- Light Source
- Talk Set



UNIVERSAL TEST SYSTEM

- OTDR
- OLTS
- ORL
- Switch

Optical Fiber

- OSA
- PMD
- Chromatic Dispersion Analyzer
- Multiwavelength Meter

DWDM Test Systems

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

Protocol

CORPORATE HEADQUARTERS	465 Godin Avenue	Vanier (Quebec) G1M 3G7 CANADA	Tel.: 1 418 683-0211 . Fax: 1 418 683-2170
EXFO AMERICA	1201 Richardson Drive, Suite 260	Richardson TX 75080 USA	Tel.: 1 800 663-3936 . Fax: 1 972 907-2297
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

TOLL-FREE (USA and Canada)

Tel.: 1 800 663-3936

www.exfo.com • info@exfo.com

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/support/techdocs.asp>

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

All names, trademarks, products and services mentioned are registered or unregistered trademarks of their respective owners.

