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
1. At 23 ˚C.
2. FWHM = Full width at half maximum.
3. Typical.
4. For a temperature stability of ± 1 ˚C.
5. 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

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	

SPFOS120AFLS130A.1AN

Printed in Canada 03/04