

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



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

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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

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