EXFO FOS-120 Specs
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# Light Source/Laser Source FOS-120A/FLS-130A



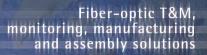
Single- or dual-wavelength configuration

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**

Models	FOS-121A	FOS-122A	FOS-123A	FOS-124A	FOS-125A
Wavelength¹ (nm)	$850 \pm 30$	1310 ± 40	1550 ± 30	850 ± 30	1310 ± 30
				1310 ± 40	1550 ± 30
Spectral width <sup>2, 3</sup> (nm)	50	145	70	50/145	70/70
Launch power3 (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 stability⁴ (dB)					
1 h	± 0.03	± 0.06	± 0.08	$\pm 0.03/\pm 0.06$	$\pm 0.06/\pm 0.08$
8 h	± 0.05	± 0.10	± 0.12	$\pm 0.05/\pm 0.10$	$\pm 0.10/\pm 0.12$
	1	1	1	2	2
Specifications—FLS-130A Laser Sou	1 irce (Laser) FLS-132A	1 FLS-133A	1 FLS-135A	2 FLS-136A	2
Specifications—FLS-130A Laser Sou Models	, ,	1 FLS-133A 1550 ± 20	1 FLS-135A 1310 ± 20		2
Specifications—FLS-130A Laser Sou Models	FLS-132A			FLS-136A	2
Specifications—FLS-130A Laser Sou Models Wavelength¹ (nm)	FLS-132A		1310 ± 20	FLS-136A 1310 ± 20	2
Specifications—FLS-130A Laser Sou Models Wavelength¹ (nm) Spectral width⁵ (nm)	FLS-132A 1310 ± 20	1550 ± 20	1310 ± 20 1550 ± 20	FLS-136A 1310 ± 20 1550 ± 20	2
Specifications—FLS-130A Laser Sou Models Wavelength¹ (nm) Spectral width⁵ (nm)	FLS-132A 1310 ± 20	1550 ± 20	1310 ± 20 1550 ± 20	FLS-136A 1310 ± 20 1550 ± 20	2
Specifications—FLS-130A Laser Sou Models Wavelength¹ (nm) Spectral width⁵ (nm) Launch power³ (dBm)	FLS-132A 1310 ± 20 ≤ 5	1550 ± 20 ≤ 5	1310 ± 20 1550 ± 20 ≤ 5/5	FLS-136A 1310 ± 20 1550 ± 20 ≤ 5/5	2
Specifications—FLS-130A Laser Sou Models Wavelength¹ (nm) Spectral width⁵ (nm) Launch power³ (dBm) 9/125 µm	FLS-132A 1310 ± 20 ≤ 5	1550 ± 20 ≤ 5 -7	1310 ± 20 1550 ± 20 ≤ 5/5	FLS-136A 1310 ± 20 1550 ± 20 ≤ 5/5 -8/-8	2
Specifications—FLS-130A Laser Sou Models Wavelength¹ (nm) Spectral width⁵ (nm) Launch power³ (dBm) 9/125 μm 50/125 μm 62.5/125 μm	FLS-132A 1310 ± 20 ≤ 5 -7 -7	1550 ± 20 ≤ 5 -7 -7	1310 ± 20 1550 ± 20 ≤ 5/5 -7/-7 -7/-7	FLS-136A 1310 ± 20 1550 ± 20 ≤ 5/5 -8/-8 -8/-8	2
Specifications—FLS-130A Laser Sou Models Wavelength¹ (nm) Spectral width⁵ (nm) Launch power³ (dBm) 9/125 µm 50/125 µm 62.5/125 µm	FLS-132A 1310 ± 20 ≤ 5 -7 -7	1550 ± 20 ≤ 5 -7 -7	1310 ± 20 1550 ± 20 ≤ 5/5 -7/-7 -7/-7	FLS-136A 1310 ± 20 1550 ± 20 ≤ 5/5 -8/-8 -8/-8	2
50/125 μm 62.5/125 μm Power stability* (dB)	FLS-132A 1310 ± 20 ≤ 5 -7 -7 -7	1550 ± 20 ≤ 5 -7 -7 -7	1310 ± 20 1550 ± 20 ≤ 5/5 -7/-7 -7/-7 -7/-7	FLS-136A 1310 ± 20 1550 ± 20 ≤ 5/5 -8/-8 -8/-8 -8/-8	2

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

Size (H $\times$ W $\times$ D)	22.2 cm $\times$ 10.3 cm $\times$ 5.9 cm	$(8 \ ^{3}/_{4} \text{ in} \times 4 \ ^{1}/_{16} \text{ in} \times 2 \ ^{1}/_{4} \text{ in})$	
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**

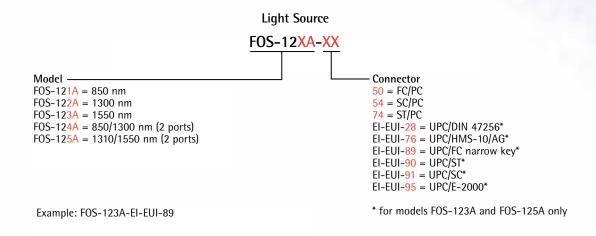
21 CFR 1040.10 and IEC-60825-1

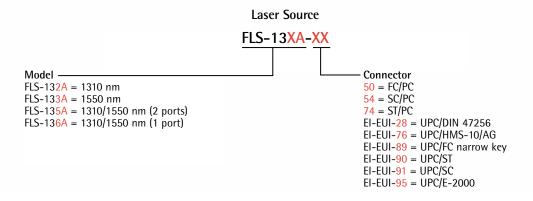
CLASS 1 LASER PRODUCT CLASS 1 LED PRODUCT

#### Notes

- 1. At 23 °C.
- 2. FWHM = Full width at half maximum.
- 4. For a temperature stability of  $\pm$  1 °C.
- 5. rms = root mean square.

#### **Ordering Information**





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



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



UNIVERSAL TEST SYSTEM

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Optical Fiber

 Chromatic Dispersion Analyzer Multiwavelength Meter

**DWDM Test Systems** 

Protocol • 10/100 and Gigabit Ethernet

_	30NL1/3011 (030 to 0C-132C)
•	SDH/PDH (64Kb/s to STM-64c)

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