

FLS-300 light source

NETWORK TESTING OPTICAL



The FLS-300 light source is part of EXFO's new line of handheld units, which includes the FPM-300 power meter and the FOT-300 optical loss test set.

SPEC SHEET

KEY FEATURES

Multifunctional light source: dual wavelength singlemode (1310/1550 nm), or four wavelengths (two multimode, and two singlemode) on two ports

Power autonomy of 120 hours

Highest output power in the industry

Three-year warranty and recommended calibration interval, for dramatically reduced cost of ownership

Ergonomic, eye-catching handheld package

EXFO

AUTO-WAVELENGTH RECOGNITION

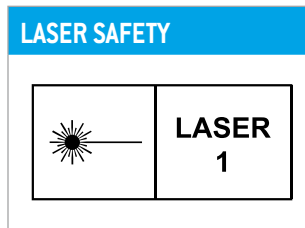
The FLS-300 light source can transmit with a wavelength-identification digital encrypted protocol, so that any compatible unit—the FPM-300 power meter and the FOT-300 optical loss test set—can automatically use the proper calibration parameters. This feature reduces the need for communication between the two technicians and decreases the potential for error.

DISTANT REFERENCING

Signal encrypting can also give the receiving end information on the power to be used as reference, helping ensure efficient referencing, even when the two units are far apart.

SPECIFICATIONS ^{a, b}		
Model	23BL	12D
Central wavelength (nm)	1310 ± 20 1550 ± 20	850 ± 25 1300 +50/-20
Spectral width ^c (nm)	≤5	50/135
Output power (dBm)	≥1/≥1	≥-20/≥-20 (62.5/125 μm)
Power stability ^d (dB)	8 hours	±0.10
Battery life ^e (hours)	120	120
Enables automatic wavelength recognition	Yes	Yes
Tone generation (Hz)	270, 1 k, 2 k	270, 1 k, 2 k
Warranty and recommended calibration interval (years)	3	3

GENERAL SPECIFICATIONS	
Size (H x W x D)	185 mm x 100 mm x 55 mm (7 1/4 in x 4 in x 2 1/8 in)
Weight	0.4 kg (0.9 lb)
Temperature	Operating -10 °C to 50 °C (14 °F to 122 °F) Storage -40 °C to 70 °C (-40 °F to 158 °F)
Relative humidity	0% to 95% non-condensing



STANDARD ACCESSORIES
User guide, certificate of calibration, instrument stickers in six languages, AC adapter, three AA batteries, wrist strap.

- a. Guaranteed unless otherwise specified.
- b. All specifications valid at 23 °C ± 1 °C, with an FC connector.
- c. Root mean square (RMS) for lasers and -3 dB width for LEDs; typical values for LEDs.
- d. After 15 minutes warmup; expressed as ± half the difference between the maximum and minimum values measured during the period, with an APC connector on the power meter.
- e. Typical autonomy in Auto mode.

ORDERING INFORMATION		
FLS-300-XX-XX		
Model	Connector	
FLS-300-23BL = 1310/1550 nm laser 9/125 μm ^a	EI-EUI-28 = UPC/DIN 47256	EA-EUI-28 = APC/DIN 47256 ^a
FLS-300-12D-23BL = 850/1300 nm LED 62.5/125 μm, 1310/1550 nm laser 9/125 μm	EI-EUI-76 = UPC/HMS-10/AG	EA-EUI-89 = APC/FC narrow key ^a
	EI-EUI-89 = UPC/FC narrow key	EA-EUI-91 = APC/SC
	EI-EUI-90 = UPC/ST	EA-EUI-95 = APC/E-2000 ^a
	EI-EUI-91 = UPC/SC	EA-EUI-98 = APC/LC
	EI-EUI-95 = UPC/E-2000	
	EI-EUI-98 = UPC/LC	
Example: FLS-300-23BL-EI-EUI-89		

a. EA-EUI only available on model 23BL.

EXFO headquarters T +1 418 683-0211 **Toll-free** +1 800 663-3936 (USA and Canada)

EXFO serves over 2000 customers in more than 100 countries. To find your local office contact details, please go to www.EXFO.com/contact.

For the most recent patent marking information, please visit www.EXFO.com/patent. EXFO is certified ISO 9001 and attests to the quality of these products. 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 www.EXFO.com/specs.

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