SPEC SHEET

FLS-300 light source

NETWORK TESTING OPTICAL

- The FLS-300 light source is part of EXFO's line of handheld units, which includes the PPM1 power meter and the FOT-300 optical loss test set.

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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 recommended calibration interval for reduced cost of ownership

Ergonomic, eye-catching handheld package

MHz MEGA HERTZ

EXFO

AUTO-WAVELENGTH RECOGNITION

The FLS-300 light source can transmit with a wavelength-identification digital encrypted protocol, so that any compatible unit—the PPM1 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)	±0.10	±0.10
Battery life [e] (hours)	120	120
Enables automatic wavelength recognition	Yes	Yes
Tone generation	270 Hz, 1 kHz, 2 kHz	270 Hz, 1 kHz, 2 kHz
Recommended calibration interval (years)	3	3
Warranty (year)	1	1

GENERAL SPECIFICATIONS

Size (H × W × D)		185 mm × 100 mm × 55 mm (7 ¼ in × 4 in × 2 ⅛ in)
Weight		0.4 kg (0.9 lb)
Temperature	Operating Storage	–10 °C to 50 °C (14 °F to 122 °F) –40 °C to 70 °C (–40 °F to 158 °F)
Relative humidity		0% to 95% non-condensing
Power supply		3 AA alkaline batteries

LASER SAFETY



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

FLS-300-23BL = 1310/1550 nm laser 9/125 µm [a]

FLS-300-12D-23BL = 850/1300 nm LED 62.5/125 µm, 1310/1550 nm laser 9/125 µm

Example: FLS-300-23BL-EI-EUI-89

Connector

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

EI-EUI-98 = UPC/LC

EA-EUI-28 = APC/DIN 47256 [a]

EA-EUI-89 = APC/FC narrow key [a]

EA-EUI-91 = APC/SC

EA-EUI-95 = APC/E-2000 [a]

EA-EUI-98 = APC/LC

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

MHz MEGA HERTZ

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EXFO serves over 2000 customers in more than 100 countries.

https://www.go2mhz.com/product/light-source/

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