

FLS-600

NETWORK TESTING—OPTICAL



- Up to three singlemode wavelengths (1310, 1550, and 1490 or 1625 nm) on a single port, or four wavelengths (850/1300 nm and 1310/1550 nm) on two ports
- Rechargeable batteries
- Three-year warranty and recommended calibration interval, for low cost of ownership
- Ergonomic, eye-catching handheld package

Part of EXFO's 600 handheld series, which includes the FPM-600 Power Meter and the FOT-600 Optical Loss Test Set, the FLS-600 Light Source is designed for first-class versatility. Choose among laser, LED models, as well as various wavelength options. What's more, you can save time by building a list of your "favorite" wavelengths and only sweeping through these wavelengths when testing.

Error-Free, Time-Saving Test Features: NEW Automatic Wavelength Switching and Distant Referencing

Using the FLS-600 in Auto-Switching mode allows you to automatically toggle between available wavelengths. When using this source with a compatible power meter (FPM/FOT-600), the latter recognizes the wavelength in use and switches to the proper calibration parameter.

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.

FTTx Ready

EXFO's FLS-600 allows for the testing of passive optical networks (PONs) at 1310 nm, 1490 nm and 1550 nm, the three wavelengths recommended by the ITU-T (G.983.3) for PONs.

Rugged and Versatile

Like all EXFO portable instruments, the FLS-600 is built for top ruggedness, perfect for the harshest test conditions. It also features a keypad/LCD backlight, for easy operation in darker environments.



SPECIFICATIONS^a

Model	12D	23BL	234BL	235BL
Central wavelength (nm)	850 ± 25	1310 ± 20 1300 +50/-10	1310 ± 20 1550 ± 20	1310 ± 20 1550 ± 20 1625 ± 15
Spectral width ^b (nm)	50/135	≤ 5	≤ 5	≤ 5
Output power (dBm)	≥ -20/≥ -20 (62.5/125 μm)		≥ 1/≥ 1	≥ 1/≥ -3/≥ -5
Power stability (dB) ^c	15 min	±0.05	±0.03	±0.03
	8 h	±0.1	±0.1	±0.1
Auto-switching	Yes	Yes	Yes	Yes
Tone generation	270 Hz, 1 kHz, 2 kHz	270 Hz, 1 kHz, 2 kHz	270 Hz, 1 kHz, 2 kHz	270 Hz, 1 kHz, 2 kHz
Battery life (hours) (typical in Auto mode)	50	50	50	50
Warranty and recommended calibration interval (years)	3	3	3	3

GENERAL SPECIFICATIONS

Size (H x W x D)	190 mm x 100 mm x 62 mm	(7 1/2 in x 4 in x 2 1/2 in)
Weight	0.48 kg	(1.1 lb)
Temperature	operating: -10 °C to 50 °C storage: -40 °C to 70 °C	(14 °F to 122 °F) (-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/charger, lithium ion battery, shoulder strap, hard carrying case.

SAFETY

21 CFR 1040.10 AND IEC 60825-1:1993+A1:1997+A2:2001:
CLASS 1M LASER PRODUCT

NOTES

a. Guaranteed unless otherwise specified. All specifications valid at 23 °C ± 1 °C, with an FC connector.

b. rms for FP lasers; and -3 dB width for LEDs (typical values for LEDs).

c. After a 15-minute warm-up period, and using an APC connector on the power meter (except for multimode sources, for which a PC connector is used). Expressed as ± half the difference between the maximum and minimum values measured during the period.

ORDERING INFORMATION

FLS-600-XX-XX

Model

FLS-600-23BL = 1310/1550 nm laser 9/125 μm
 FLS-600-234BL = 1310/1550/1625 nm laser 9/125 μm
 FLS-600-235BL = 1310/1490/1550 nm laser 9/125 μm
 FLS-600-12D-23BL = 850/1300 nm LED source 62.5/125 μm,
 1310/1550 nm laser 9/125 μm

Example: FLS-600-234BL-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

* EXFO Universal Interface is protected by US patent 6,612,750.

Rugged Handheld Solutions

- OPTICAL**
 - OTDRs
 - OLTSs
 - Power meters
 - Light sources
 - Talk sets
- COPPER ACCESS**
 - ADSL/ADSL2+, SHDSL, VDSL test sets
 - VoIP and IPTV test sets
 - Ethernet test sets
 - POTS test sets

Platform-Based Solutions

- OPTICAL FIBER**
 - OTDRs
 - OLTSs
 - ORL meters
 - Variable attenuators
- DWDM TEST SYSTEMS**
 - OSAs
 - PMD analyzers
 - Chromatic dispersion analyzer
- TRANSPORT AND DATA COM**
 - Next Generation SONET/SDH and OTN testers
 - SONET/DSn (DS0 to OC-192) testers
 - SDH/PDH (64 kb/s to STM-64) testers
 - T1/T3, E1 testers
 - 10/100M and Gigabit Ethernet testers
 - Fibre Channel testers
 - 10 Gigabit Ethernet testers



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