

EXFO FLS-600 Light Source

PRODUCT DETAILS

Part of EXFO's 600 handheld series, the FLS-600 Light Source is designed for first-class versatility. Choose among laser or LED models and various wavelength options.

The FLS-600 in Auto-Switching mode allows the unit to automatically toggle between available wavelengths. When using this source with a compatible power meter, the latter recognises the wavelength in use and switches to the proper calibration parameter. The FLS-600 allows for testing of passive optical networks (PONs) at 1310nm, 1490nm and 1550nm, the three wavelengths recommended by the ITU-T (G.983.3) for PONs.

Like all EXFO portable instruments the FLS-600 is built for ruggedness and perfect for the harshest test conditions. Features also include a backlit keypad/LCD and a rechargeable battery life of up to 50 hours.



FEATURES AND BENEFITS

- Designed for first-class versatility with testing of both singlemode and multimode networks
- Up to three singlemode wavelengths on a single port, or four wavelengths on two ports
- Automatic wavelength switching - toggle between available wavelengths
- Tone Generation of 270Hz, 1kHz, 2kHz
- Distant referencing
- FTTx testing and trouble shooting
- Supplied with calibration certificate, AC adapter and carry case
- Rechargeable lithium ion battery, 50 hours life (typical in auto mode)
- Features a backlit keypad/LCD, for easy operation in darker environments
- Testing of passive optical networks (PONs) at 1310nm, 1490nm and 1550nm

SPECIFICATIONS

| MODEL | EXF-FLS600-MM | EXF-FLS600-SM1 | EXF-FLS600-SM1 | EXF-FLS600-SM3 |
|-------------------------|---|------------------------|-------------------------------------|-------------------------------------|
| Central Wavelength (nm) | 850 ± 25 1300 + 50/-20 | 1310 ± 20 1550 ± 20 | 1310 ± 20 1550 ± 20 1625 ± 15 | 1310 ± 20 1490 ± 20 1625 ± 15 |
| Spectral Width (nm) | 50/135 | ≤5 | ≤5 | ≤5 |
| Output Power (dBm) | ≥-20/≥-20 (62.5/125µm) | ≥1/≥1 | ≥1/≥-3/≥-5 | ≥1/≥-4.5/≥-3 |
| Size (HxWxD) | 190Hmm x 100Wmm x 62Dmm (7 ^{1/2} in x 4in x 2 ^{1/2} in) | | | |
| Weight | 0.48kg (1.1lb) | | | |
| 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 | | | |



ORDERING INFORMATION

| SINGLEMODE | | | |
|-------------------------|-------------------------|-------------------------|-----------|
| Wavelength/Product Code | Wavelength/Product Code | Wavelength/Product Code | Connector |
| 1310/1550nm | 1310/1550/1625nm | 1310/1490/1550nm | Interface |
| EXF-FLS600-SM1-LC | EXF-FLS600-SM2-LC | EXF-FLS600-SM3-LC | LC |
| EXF-FLS600-SM1-SC | EXF-FLS600-SM2-SC | EXF-FLS600-SM3-SC | SC |
| EXF-FLS600-SM1-ST | EXF-FLS600-SM2-ST | EXF-FLS600-SM3-ST | ST |
| EXF-FLS600-SM1-LCA | EXF-FLS600-SM2-LCA | EXF-FLS600-SM3-LCA | LCA |
| EXF-FLS600-SM1-SCA | EXF-FLS600-SM2-SCA | EXF-FLS600-SM3-SCA | SCA |

| MULTIMODE | |
|-------------------------|-----------|
| Wavelength/Product Code | Connector |
| 850/1300nm | Interface |
| EXF-FLS600-MM-LC | LC |
| EXF-FLS600-MM-SC | SC |
| EXF-FLS600-MM-ST | ST |

| MULTIMODE/SINGLEMODE | |
|-----------------------------------|--------------|
| Wavelength/Product Code | Connector |
| MM: 850/1300nm SM: 1310/1550nm | Interface |
| EXF-FLS600-LCLCA | LC-MM/LCA-SM |
| EXF-FLS600-SCSCA | SC-MM/SCA-SM |
| EXF-FLS600-STST | ST-MM/ST-SM |

In support of our policy of continuous product improvement we reserve the right to change materials and specifications without notice. Drawings, where shown, may not be to scale. Dimensions are metric and size may be approximate. Where possible data sheets including MSDS are made available on our website and apps. All products should be installed and used in accordance to manufacturer's instruction provided. Warning: products may be subject of registered designs and patents. Refer to our website or apps for terms and conditions on warranty.