

ELS-50 Optical Light Source

FIBERBASIX 50 TESTER



SPEC SHEET

OFFERS THE POWER STABILITY AND RELIABILITY NECESSARY TO PERFORM LOSS MEASUREMENT IN TELCO, CATV AND FTTH APPLICATIONS USING DUAL AND TRIPLE WAVELENGTHS.

KEY FEATURES

- Rugged design
- Excellent power stability for reliable loss measurements
- Interchangeable connector adapters
- Up to 60 hours of battery life
- Tone generation for fiber identification

APPLICATIONS

- Telco/CATV and FTTH models; dual and triple wavelengths
- Enterprise/LAN models; singlemode and multimode

COMPLEMENTARY PRODUCTS



Power Meter
EPM-50



Fiber Inspector Probe
FIP-400



Visual Fault Locator
FLS-240



- 1 Rubber boot protector
- 2 Wrist strap
- 3 Cap protector
- 4 Stand

SPECIFICATIONS^a

MODEL	23BL	235BL	12C
Central wavelength (nm) ^b	1310 ± 20 1550 ± 20	1310 ± 20 1490 ± 10 1550 ± 20	850 ± 25 1300 +50/-10
Spectral width (nm) ^{b, c}	≤5	≤5	≥40/120
Output power (dBm)	≥-5	≥-5	≥-24 (50/125 μm)
Power stability (dB) ^{b, d}	±0.10	±0.10	±0.10
Battery life (hours) ^b	60	60	45
Tone generation (Hz)	270, 1 k, 2 k	270, 1 k, 2 k	270, 1 k, 2 k
Warranty (year)	1	1	1

GENERAL SPECIFICATIONS

Size (H x W x D)	189 mm x 78 mm x 37 mm (7 7/16 in x 3 1/16 in x 1 7/16 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

Soft pouch, LSA-89 FC connector adapter, quick reference sticker in five languages, Certificate of Compliance, three AA batteries

OPTIONAL ACCESSORIES

- LSA-89 (FC connector adapter for ELS-50 Light Source)
- LSA-90 (ST connector adapter for ELS-50 Light Source)
- LSA-91 (SC connector adapter for ELS-50 Light Source)
- Manual (User guide)
- GP-10-081 (Soft pouch)
- GP-2124 (Rubber protective boot)
- GP-2131 (Pack of 10 replacement ceramic sleeves for ELS-50)

SAFETY



21 CFR 1040.10 AND IEC 60825-1:2007
CLASS 1 LASER PRODUCT

Notes

- a. All specifications valid at 23 °C ± 3 °C, with an FC/UPC connector
- b. Typical
- c. rms for lasers and -3 dB width for LEDs
- d. After 15 minutes warmup; expressed as ± half the difference between the maximum and minimum values measured over 8 hours

ORDERING INFORMATION

ELS-50-XX-LSA-89-XX

ELS-50-23BL = 1310/1550 nm laser (9/125 μm)
 ELS-50-235BL = 1310/1490/1550 nm laser (9/125 μm)
 ELS-50-12C = 850/1300 nm LED (50/125 μm)

RB = With rubber boot protector
 OO = Without rubber boot protector

Example: ELS-50-12C-LSA-89-RB

EXFO is certified ISO 9001 and attests to the quality of these products. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. 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.

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