



OLS 2 Laser Light Source

The OLS 2 laser source series offers excellent stability and portability for accurate fiber optic testing. Five versions of the OLS 2 are offered for measurements at 1310 nm, 1550 nm, 1625 nm, and dual wavelength (1310/1550 nm) and (1550/1625 nm). These compact units operate in either continuous wave (CW) mode or 2 kHz modulated mode. The laser sources operate on disposable batteries or AC adapter. The optical output is via a top panel FC, SC, ST or other style connector if requested.

features

- Rugged, portable unit
- Designed for field use
- 1310, 1550, 1625 nm and dual wavelengths
- Modulated 2 kHz or CW
- Adjustable output

applications

- The OLS 2 may be substituted for terminal equipment in the central office or head-end to provide a stable output for loss measurements.
- For single-mode applications, such as Telecom or CATV, the OLS 2 may be coupled with an optical power meter as a test kit to perform optical loss tests at 1310 or 1550 nm.
- In the modulation mode, the OLS 2 applies a 2 kHz tone into the fiber. This signal is detected by the OFI-200, optical fiber identifier, to isolate specific fibers in a bundle prior to splicing or rerouting.

ordering information

The OLS 2 package includes: OLS 2 laser source, protective rubber boot, 9 volt battery, instruction card, and soft carry case.

Please specify connector style when ordering. For example: OLS2-1300-FC.



OLS 2 Laser Light Source

specifications

Optical Specifications	OLS 2-1300	OLS 2-1500	OLS 2-DUAL	OLS 2 - CL	OLS 2-1625
Output wavelength (nm)	1310 ±20	1550 ±20	1310/1550 ±20	1550 ±20 1625 ±25	1625 ±25
Output power ¹	-5 dBm	-5 dBm	-5 dBm	-5 dBm	-3 dBm
Laser classification	Class 1 (FDA 21 CFR 1040.10 and 1040.11, and IEC 60825-1)				
Output connector ²	FC, SC, or ST				
Modes of operation ³	CW and 2 kHz				
Spectral width (FWHM)	5 nm (max), 1625 nm: 5 nm (typ)				
Stability	± 0.1 dB over 1 hour (after 20 min. warm-up) ± 0.15 dB over 8 hours (after 20 min. warm-up)				

General Specifications

Power	Typical 40 hours with 9V battery, optional AC adapter
Operating temperature	-10 to 50°C
Storage temperature	-30 to 60°C
Size (H x W x D)	5.5 x 3.2 x 1.5 in (14.0 x 8.1 x 3.8 cm)
Weight	0.65 lb (.29 kg)

1 Adjustable ±1 dB.

2 Other connectors available upon request.

3 Other modulation frequencies available.

Note: All specifications at 25°C. Specifications are subject to change. Single wavelength models are available with higher output power and other wavelengths.

test kits

Noyes Fiber Systems offers a variety of test kits which include the optical light source, optical power meter, adapter cap, protective rubber boots, carry case, and manual.

available optical loss test kits

Model	Power Meter	Light Source
SLP 1-4	OPM 1-3C	OLS 2-1300
SLP 1-6	OPM 1-3C	OLS 2-Dual
SLP 4-CL	OPM 4-4C	OLS 2-CL
SLP 4-4	OPM 4-3C	OLS 2-1300
SLP 4-6	OPM 4-3C	OLS 2-Dual
SLP 4-6D	OPM 4-4C	OLS 2-Dual
SLP 5-CL	OPM 5-4C	OLS 2-CL
SLP 5-4	OPM 5-3C	OLS 2-1300
SLP 5-6	OPM 5-3C	OLS 2-Dual
SLP 5-6D	OPM 5-4C	OLS 2-Dual