



## OLS 4 Integrated Laser and LED Light Source

The OLS 4 is an integrated, two-port LED and Laser light source. The LED output may be operated at 850 or 1300 nm while its Laser output can operate at 1310 or 1550 nm. Thus the OLS 4, with any optical power meter, can be used to certify attenuation on multimode or single-mode optical fiber links respectively per current TIA/EIA requirements. Both the multimode and single-mode output ports are equipped with removable adapters to allow output connectors to be inspected and cleaned. Controls are provided to allow the user to easily adjust output level at each wavelength. The OLS 4 may be ordered with SC, FC, or ST output ports.

### features

- Small, rugged, integrated LED and Laser light source
- Operates at 850, 1300, 1310, and 1550 nm
- Test multimode and single-mode links per TIA/EIA standards
- Adjustable output levels
- CW or tone on single-mode output
- Available with the OPM 5-2C as a test kit Model SMLP 5-5

### specifications

Model	OLS 4			
	MM Optical Port		SM Optical Port	
Optical Specifications				
Wavelength	850 ± 30nm	1300 -10/ +50nm	1310 ± 20nm	1550 ± 20nm
Emitter type	LED, Class 1 (IEC 60825 - 1)		Laser Class 1 (FDA 21 CFR 1040.10 and 1040.11, and IEC 60825-1)	
Output power	> - 20 dBm* 62.5 µm Multimode**		- 5 dBm* 9 µm Single-mode	
Spectral width (FWHM)	850: ±40 nm (typ) 1300: ±120 nm (typ)		5 nm (max)	
Optical connectors	SC (FC & ST available)		SC (FC & ST available)	
Stability	± 0.1 dB over 8 hours (after 5 min. warm-up)		± 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	9V battery, optional AC adapter			
Battery life	Typical 20 hours with one output enabled			
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)			

\* Adjustable ± 1 dB

\*\* Output power will be approximately 3 dB less if a 50 µm mandrel-wrapped jumper is used instead of a 62.5 µm mandrel-wrapped jumper.

All specifications at 25°C

### ordering information

The OLS 4 package includes: OLS 4 laser source, protective rubber boot, 9 volt battery, instruction card, and soft carry case. Please specify connector style when ordering.