AFL

Test & Inspection

OLS4 Integrated Laser and LED Source

The OLS4 is a hand-held, rugged, integrated two-port LED and LASER light source designed for performing insertion loss measurements on multimode or single-mode fiber optic links when used with an optical power meter. When paired with an optical fiber identifier, the OLS4 may be used for fiber identification. The LED and LASER outputs are stabilized to ensure accurate test results per current TIA/EIA requirements.

The OLS4 features 850/1300 nm LED output from a multimode output port and 1310/1550 nm LASER output from a single-mode output port. Each wavelength may be transmitted individually at CW or with user selectable modulated Tone (SM output). Also, each wavelength may be transmitted with Wave ID. When transmitting with Wave ID, the OLS4 supports transmitting pairs of wavelengths in an alternating pattern. Associated with each operating condition, the designated LED indicator will illuminate to identify the currently enabled operating mode and emitted wavelength(s) along with battery charge status and external power presence.

Both output ports are equipped with UCI based removable adapters to allow the output connectors to be inspected and cleaned. The OLS4 coffers long battery life from common AA alkaline batteries with external AC adapter available as an option.

The OLS4 is fully N.I.S.T. traceable.

Features

- Hand-held, rugged, lightweight
- Integrated LED and Laser light source
- Dual wavelengths from a single port
- Dual or single Wave ID, CW, Tone (SM output)
- 270 Hz, 330 Hz, 1 kHz, 2 kHz Tone
- Low battery LED indicator
- Long battery life with 2 x AA alkaline, optional AC adapter
- Free 50µm and 62.5µm mandrels
- Cost-effective, easy-to-use
- N.I.S.T. Traceable

Applications

- Certify multimode and single-mode links per TIA/EIA standards
- Fiber identification prior to splicing

NOYES®

Specifications and descriptions are subject to change without prior notice.

überreicht durch: Opternus

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Specifications

OPTICAL	MM OPTICAL PORT		SM OPTICAL PORT	
Wavelength	850 ± 30 nm	1300 -10/+50 nm	1310 ± 20 nm	1550 ± 20 nm
Emitter Type	LED		Laser	
	Class I FDA 21 CFR 1040.10 and 1040.11, IEC 60825-1: 2007-03			
Spectral Width	40 nm (typ)	120 nm (typ)	5 nm (max)	5 nm (max)
Output Power	> - 20 dBm, 62.5µm multimode*		0 dBm, 9µm single-mode	
Output Stability	± 0.1 dB over 8 hours (after 5 min. warm-up)		± 0.05 dB over 1 hour (after 15 min. warm-up) ± 0.1 dB over 8 hours (after 15 min. warm-up)	
GENERAL				
Power	2 x AA batteries, optional AC adapter			
Battery Life	Typical 30 hours, minimum 20 hours		Typical 72 hours, minimum 40 hours	
Available Adapters	SC FC, ST, LC			
Operating Temperature	-10 to 50°C, 90% RH (non-condensing)			
Storage Temperature	-30 to 60°C, 90% RH (non-condensing)			
Size (H x W x D)	14.0 x 8.1 x 3.8 cm (5.5 x 3.2 x 1.5 in)			
Weight	0.29 kg (0.65 lb)			

* *Output power will be approximately 3 dB less if a 50µm mandrel-wrapped jumper is used instead of a 62.5µm mandrel-wrapped jumper.*
All specifications at 25°C.

Ordering Information

MODEL	INCLUDES
OLS4	OLS4 optical light source, protective rubber boot, 2 x AA batteries, mandrels, and carry case.

Note: Test jumpers and connector adapters are required for operation (purchased separately). Test jumpers with a variety of connector styles and fiber types and adapter caps for most common connectors may be purchased from AFL.

NOYES FIBER SYSTEMS ISO 9001 CERTIFIED

CE

RoHS 2002/95/EC

Authorized Channel Partner

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