AFL

LASER COMPONENTS®

Test and Inspection

NOYES®
OLS2-Dual Laser Light Source

The OLS2-Dual is a hand-held, rugged laser source designed for performing insertion loss measurements on single-mode fiber optic links when used with an optical power meter. When paired with an optical fiber identifier, the OLS2-Dual may be used for fiber identification. The laser output is stabilized to ensure accurate test results per current TIA/EIA requirements.

The OLS2-Dual features 1310 nm and 1550 nm laser output from a single output port and offers several modes of operation. Each wavelength may be transmitted individually at CW or with user selectable modulated Tone. Also, each wavelength may be transmitted with Wave ID. When transmitting with Wave ID, the OLS2-Dual 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.

The OLS2-Dual output port is equipped with a UCI-based removable adapter to allow the output connector to be inspected and cleaned. The OLS2-Dual offers long battery life from common AA alkaline batteries with external AC adapter available as an option. The OLS2-Dual is fully N.I.S.T. traceable.

Features

- Dual wavelengths from a single port
- Dual or single Wave ID, CW, Tone
- 270 Hz, 330 Hz, 1 kHz, 2 kHz Tone
- Adjustable output
- Low battery LED indicator
- Long battery life with 2 AA alkaline, optional AC adapter
- Cost-effective, easy-to-use
- Hand-held, rugged, lightweight

Applications

- Certify SM links per TIA/EIA standards
- LAN/WAN Testing
- Fiber identification prior to splicing

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Specifications [a]

OPTICAL	OLS2-DUAL (SINGLE PORT)	
Wavelength	1310 ±20 nm	1550 ±20 nm
Emitter Type	Laser, Class I FDA 21 CFR 1040.10 and 1040.11, IEC 60825-1: 2007-03	
Spectral Width (FWHM)	5 nm (max)	
Output Power	0 dBm [b]	
Output Stability	±0.05 dB over 1 hour (after 15-minute warm-up) ±0.1 dB over 8 hours (after 15-minute warm-up)	
Tone Output	270 Hz, 330 Hz, 1 kHz, 2 kHz	
GENERAL		
Power	2 AA batteries, optional AC adapter	
Battery Life	Typical 120 hours, minimum 75 hours	
Available Adapters	SC FC, ST, LC	
Operating Temperature	-10°C to 50°C, 90 % RH (non-condensing)	
Storage Temperature	-30°C 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)	

Notes:
a. All specifications valid at 25°C unless otherwise specified.
b. Adjustable 2 dB.

Ordering Information

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.

INCLUDES	AFL NO.
OLS2-Dual optical light source, protective rubber boot, 2 AA batteries, and carry case.	OLS2-Dual

Calibration Plans

AFL recommends annual calibrations on NOYES Test and Inspection products. Prepaid Cal plans offer two annual calibrations at a discounted price, a convenient calibration expiration email service, express calibration services and access to the NOYES product knowledge base. Cal Plus plans offer the same services as the Cal plans with the addition of a two year extended warranty (three years total coverage).

MODEL	2 YR CAL PLAN	2 YR CAL PLUS PLAN
	AFL NO.	AFL NO.
OLS2-DUAL	CAL2-00-OLS2-DUAL	CAL2-01-OLS2-DUAL