



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 x AA alkaline, optional AC adapter
- Cost-effective, easy-to-use
- Hand-held, rugged, lightweight

Applications

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

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Specifications

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*	
Output Stability	± 0.05 dB over 1 hour (after 15 min. warm-up) ± 0.1 dB over 8 hours (after 15 min. warm-up)	
Tone Output	270 Hz, 330 Hz, 1 kHz, 2 kHz	
GENERAL		
Power	2 x AA batteries, optional AC adapter	
Battery Life	Typical 120 hours, minimum 75 hours	
Available Adapters	SC FC, ST, LC	
Operating Temp.	-10 to 50°C, 90% RH (non-condensing)	
Storage Temp.	-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)	

* Adjustable 2 dB.
All specifications at 25°C.

Ordering Information

MODEL	INCLUDES
OLS2-Dual	OLS2-Dual optical light source, protective rubber boot, 2 x AA batteries, 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.

Authorized Channel Partner



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