



## OLS2-Dual Laser Light Source

The OLS2-Dual from AFL Telecommunications is a handheld, 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

- Handheld, rugged, lightweight
- 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
- N.I.S.T. Traceable

### Applications

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

### 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)<br>± 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 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)  |             |

\* 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, user's guide, and carry case. |



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