



## SLP 4-6D single-mode test kit with Wave ID and set reference

The SLP 4-6D test kit combines the OPM 4-4D optical power meter and OLS 2-Dual LASER light source and is ideally suited for testing single-mode fiber optic networks. The OLS 2-Dual features 1310 nm and 1550 nm LASER output from a single output port and is easy to operate. The LASER output is stabilized to ensure accurate test results per current TIA/EIA requirements. This light source offers 4 modes of operation: Dual wavelengths sending ID, single wavelength sending ID, CW, and modulated Tone. [Active Output], [Tone], [Battery], and [External Power] indicators identify the currently enabled operating mode, battery charge status, and external power presence. The output port is equipped with a removable SC (FC & ST available) adapter to allow the output connector to be inspected and cleaned.

The OPM 4-4D offers Wave ID, automatic wavelength identification and switching, when used with the OLS 2-Dual. Multiple test Tone detection is provided for fiber identification. The OPM 4-4D stores optical references for each calibrated wavelength. An easy to read Dual Wavelength LCD display with Backlight shows measured power [dBm or  $\mu$ W] or insertion loss [dB], calibrated wavelengths, tone signal [Hz], wavelength ID, and the battery charge status.

In addition to being powered by two AA alkaline, the OPM 4-4D or OLS 2-Dual can be powered by optional AC adapter and/or rechargeable NiMH battery pack.

The OPM 4-4D optical input port accepts Noyes thread-on style adapter caps. Adapter caps are required for operation and must be ordered separately.

The OPM 4-4D and OLS 2-Dual are fully N.I.S.T. traceable.

### Features

- Rugged, handheld, lightweight
- Designed for field use
- Certify single-mode links per TIA/EIA standards
- Wave ID - automatic wavelength identification and switching
- Dual Wave ID, single Wave ID, CW, and modulated Tone (on single-mode output)
- 270 Hz, 330 Hz, 1 kHz, and 2 kHz Tone
- Adjustable output
- Large LCD with Backlight
- Power measurements in dBm or  $\mu$ W; insertion loss in dB
- Reference power level storage
- AA alkaline, optional rechargeable NiMH battery pack or AC adapter
- Low battery indicator
- Cost-effective, easy to use
- N.I.S.T traceable

### Ordering Information

| Model | Includes   |
|-------|--|
| SLP 4 | OLS 2-Dual optical light source, OPM 4-4D optical power meter, AA batteries, protective rubber boots, adapter cap, user's guide, and carry case. |

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 Telecommunications.



*continued on the next page*

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### OLS 2 - Dual specifications

| Optical               | OLS 2-Dual (single port)   |
|-----------------------|--|
| Output wavelength     | 1310 ±20 nm, 1550 ±20 nm   |
| Output power          | 0 dBm*   |
| Laser classification  | Class 1 (FDA 21 CFR 1040.10 and 1040.11, and IEC 60825-1)                                      |
| Output connector      | SC (FC & ST available)   |
| Spectral width (FWHM) | 5 nm (max)   |
| Stability             | ± 0.05 dB over 1 hour (after 15 min. warm-up)<br>± 0.1 dB over 8 hours (after 15 min. warm-up) |
| General               |  |
| Power                 | 2 x AA batteries, optional NiMH or AC adapter  |
| Battery life (2 x AA) | Typical 120 hours, Minimum 75 hours  |
| 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)      | 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 2 dB.  
All specifications at 25°C.

### OPM 4-4D specifications

| Optical                | OPM 4-4D   |
|------------------------|--|
| Calibrated wavelengths | 850, 980, 1310, 1490, 1550, 1625 nm                            |
| Detector type          | Filtered InGaAs  |
| Measurement range      | +26 to -50 dBm   |
| Tone detect range      | +6 to -30 dBm<br>+6 to -25 dBm for 850 nm                      |
| Wavelength ID range    | +6 to -30 dBm<br>+6 to -25 dBm for 850nm                       |
| Accuracy*              | ± 0.25 dB  |
| Resolution             | 0.01 dB  |
| Measurement units      | dB, dBm, µW  |
| General                |  |
| Power                  | 2 x AA batteries, optional NiMH                                |
| Battery life (2 x AA)  | 300 hours with backlight [Off]<br>20 hours with backlight [On] |
| 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)       | 5.5 x 3.2 x 1.5 in (14.0 x 8.1 x 3.8 cm)                       |
| Weight                 | 0.58 lb (0.26 kg)  |

\* Accuracy measured at 25°C and -10 dBm per N.I.S.T. standards.  
All specifications at 25°C

