



## 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) ± 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 +6 to -25 dBm for 850 nm
Wavelength ID range	+6 to -30 dBm +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] 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

