

# **NOYES**<sup>\*</sup> SLP4-6D Single-mode Test Kit with Wave ID and Set Reference



## Features

- Hand-held, rugged, lightweight
- Wave ID (auto identification and switching)
- Dual or single Wave ID, CW, Tone
- 270 Hz, 330 Hz, 1 kHz, 2 kHz Tone
- Adjustable output
- Large LCD with backlight (OPM4-4D)
- Power measurements in dBm or μW; insertion loss in dB
- Reference power level storage
- Low battery indicator
- Long battery life with 2 x AA alkaline
- Cost-effective, easy to use
- N.I.S.T traceable

The SLP4-6D test kit combines the OPM4-4D optical power meter and OLS2-Dual LASER light source and is ideally suited for testing single-mode fiber optic networks.

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.

When used with the OLS2-Dual, the OPM4-4D offers automatic wavelength identification and switching - Wave ID feature that automatically detects and sets the wavelength(s), preventing setup and measurement errors. It significantly increases efficiency and reduces technician errors—and saves testing time—by eliminating the need to test each wavelength individually. The OPM4-4D stores optical references for each calibrated wavelength and offers multiple test tone detection for fiber identification. The OPM4-4D optical input port accepts a variety of NOYES thread-on style adapter caps (ordered separately) to meet a wide range of testing requirements. The SLP4-6D test kit is fully N.I.S.T. traceable.

#### **Applications**

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





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## **OPM4-4D Specifications** \*

OPTICAL	OPM4-4D
Calibrated Wavelengths	850, 980, 1300, 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 for 850 nm
Wavelength ID Range	+6 to -30 dBm +6 to -25 dBm for 850 nm
Accuracy <sup>b</sup>	±0.25 dB
Resolution	0.01 dB
Measurement Units	dB, dBm, μW
GENERAL	
Power	2 x AA batteries
Battery Life	300 hours
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	0.26 kg (0.58 lb)

#### **OLS2-Dual Specifications** <sup>a</sup>

OPTICAL	OLS2-DUAL (SINGLE PORT)		
Wavelength	1310 ±20 nm	1550 ±20 nm	
Emitter Type	Laser, Class   FDA 21 CFR 1040.10 and 1040.11, IEC 60825-1: 2007-03		
Spectral Width (FWHM)	5 nm (max)		
Output Power	0 dBm <sup>c</sup>		
Output Stability	$\pm$ 0.05 dB over 1 hour (after 15 min. warm-up) $\pm$ 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 °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. Accuracy measured at 25 °C and -10 dBm per N.I.S.T. standards.

c. 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, OPM4-4D optical power meter, AA batteries, protective rubber boots, adapter cap, and carry case.	SLP4-6D

**Authorized Channel Partner** 



United States Customer Service 1.800.321.5298 1.603.528.7780 www.AFLglobal.com Europe, Middle East, Africa Max Penfold Max.Penfold@AFLglobal.com +44 1799 542 840 +44 7802 839 160 Middle East Ahmed El Sakaty Ahmed.ElSakaty@AFLglobal.com +20 106 451 523 Africa (Sub Sahara) Nicholas Cole Nicholas.Cole@AFLglobal.com +44 7702 005 590 Greater China Dai Liu Dai.Liu@AFLglobal.com +86 133 1101 4533 Asia-Pacific (non-China) Saw Biing Huei Biing.Saw@AFLglobal.com +65 9791 3398

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