



SLP4-6D Single-mode Test Kit with Wave ID and Set Reference

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.

The OPM4-4D features automatic wavelength identification and switching (Wave ID) when used with the OLS2-Dual, multiple test Tone detection for fiber identification, and stores optical references for each calibrated wavelength. A large dual-wavelength LCD display with backlight shows measured power [dBm or μ W] or insertion loss [dB], calibrated wavelengths [nm], tone signal [Hz], wavelength ID, and estimated remaining battery life. 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 OPM4-4D and OLS2-Dual offer long battery life from common AA alkaline batteries. The SLP4-6D test kit is fully N.I.S.T. traceable.

Features

- Handheld, rugged, lightweight
- Wave ID (auto identification & 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 μ W; 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

Applications

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

Ordering Information

MODEL	INCLUDES
SLP4-6D	OLS2-Dual optical light source, OPM4-4D optical power meter, AA batteries, protective rubber boots, adapter cap, SLP4-6D test kit 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.



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OLS2-Dual 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, and IEC 60825-1)	
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 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.

OPM4-4D specifications

OPTICAL	OPM4-4D
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 for 850 nm
Wavelength ID range	+6 to -30 dBm +6 to -25 dBm for 850 nm
Accuracy*	± 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 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	0.26 kg (0.58 lb)

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

