



SLP4-7 Triple Wave Test Kit with Wave ID and Set Reference

Triple wavelength single-mode test kits are available in two models, SLP4-7 or SLP4-FTTH. The SLP4-7 and SLP4-FTTH model combine the OPM4-4D optical power meter and either OLS7-3 (1310/1550/1625 nm) or OLS7-FTTH (1310/1490/1550 nm) LASER source respectively.

The OLS7 features triple wavelength 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. Each wavelength may be transmitted individually at CW or with tone modulation at frequencies of 270Hz, 330Hz, 1kHz and 2kHz. Also, each wavelength may be transmitted with Wave ID. When transmitting with Wave ID, the OLS7 will also support transmitting pairs of wavelengths in an alternating pattern and triple wavelengths in a sequential pattern. The OLS7 output port is equipped with a UCI based removable adapter to allow the output connector to be inspected and cleaned.

The OPM4-4D offers Wave ID, automatic wavelength identification and switching, when used with the OLS7. Multiple test Tone detection is provided for fiber identification. The OPM4-4D stores optical references for each calibrated wavelength. An easy to read Dual Wavelength LCD display with Backlight shows measured power [dBm or μ W] or insertion loss [dB], calibrated wavelengths, tone signal [Hz], wavelength ID, and the battery charge status. The OPM4-4D optical input port accepts Noyes thread-on style adapter caps. Adapter caps are required for operation and must be ordered separately.

In addition to being powered by two AA alkaline, the OPM4-4D or OLS7 can be powered by optional AC adapter and/or rechargeable NiMH battery pack.

The OPM4-4D and OLS7 are fully N.I.S.T. traceable.

Features

- Rugged, handheld, lightweight
- Designed for field use
- Wave ID - automatic wavelength identification and switching
- Triple Wave ID, dual Wave ID, single Wave ID, CW, and modulated Tone
- 270 Hz, 330 Hz, 1 kHz, and 2 kHz Tone
- Large LCD with Backlight
- Power measurements in dBm or μ 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

Applications

- Passive Optical Networks (PON) testing
- Certify single-mode links per TIA/EIA standards
- Modulation Tone mode for fiber identification to isolate specific fibers in a bundle prior to splicing or rerouting

Ordering Information

Model	Includes
SLP4-7	OLS7-3 optical light source, OPM4-4D optical power meter, AA batteries, protective rubber boots, adapter cap, user's guide, and carry case.
SLP4-FTTH	OLS7-FTTH optical light source, OPM4-4D 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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OLS7 Specifications

Optical	Model OLS7 - FTTH			Model OLS7		
Wavelength (± 20 nm)	1310 nm	1490 nm	1550 nm	1310 nm	1550 nm	1625 nm
Spectral width	5 nm	3 nm	5 nm	5 nm	5 nm	2 nm
Output power	-5 dBm (typical) into 9/125 fiber					
Emitter type	Laser, Class I (FDA 21 CFR 1040.10 and 1040.11)					
Output stability	± 0.05 dB over 1 hr. (after 15 min warm-up, after 30 sec typical) ± 0.1 dB over 8 hrs (after 15 min warm-up, after 30 sec typical)					
Connectors	SC (FC, ST, or LC available)					
Tone output	270 Hz, 330 Hz, 1 kHz, 2 kHz					
General	Models OLS7 - FTTH & OLS7					
Power	2 AA alkalines. Optional: NiMH rechargeables or external AC adapter					
Battery life	Minimum 85 hours (with one laser active)					
Operating temp.	-10° to 50°C, 90% RH (non-condensing)					
Storage temp.	-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	0.66 lb (0.3 kg)					

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 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, μ W
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

