



SLP5-7 Triple Wave Test Kit with Wave ID and Set Reference and Data Storage

The SLP5-7 test kit combines the OPM 5-4D optical power meter and OLS7-3 LASER source and is ideally suited for testing single-mode fiber optic networks .

The OLS7-3 features 1310/1550/1625 nm 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 OLS7-3 will also support transmitting pairs of wavelengths in an alternating pattern and triple wavelengths in a sequential pattern. The OLS7-3 output port is equipped with a UCI based removable adapter to allow the output connector to be inspected and cleaned.

The OPM 5-4D offers Wave ID, automatic wavelength identification and switching, when used with the OLS7-3 light source. Multiple test Tone detection is provided for fiber identification. The OPM 5-4D 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. Up to 500 records per wavelength of power or insertion loss measurements may be stored in internal non-volatile memory. Using the supplied Windows® compatible software and USB connection, test records may be transferred to a PC for storage, display, analysis, and printing. The OPM 5-4D 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 OPM 5-4D or OLS7-3 can be powered by optional AC adapter and/or rechargeable NiMH battery pack.

The OPM 5-4D and OLS7-3 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
- Adjustable output
- Large LCD with Backlight
- Power measurements in dBm or μ W; insertion loss in dB
- Reference power level storage
- Up to 500 test records per wavelength storage and download
- USB port for download of stored records
- AA alkaline, optional rechargeable NiMH battery pack or AC adapter
- Low battery indicator
- Free Windows® compatible software to view, print, and archive test records
- Cost-effective, easy to use
- N.I.S.T traceable

Applications

- 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
SLP 5 -7	OLS7-3 optical light source, OPM5-4D optical power meter, AA batteries, protective rubber boots, adapter cap, USB cable, Windows® compatible software and user's guide, SLP 5 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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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	UCI based adapters: SC standard, FC & ST available, LC optional					
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

OPM 5-4D specifications

Optical	OPM 5-4D
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 850nm
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 or AC adapter
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