SLP5 Triple Wave Test Kits with Wave ID, Set Reference, and Data Storage

The SLP5 triple wavelength single-mode test kits are available in two models, SLP5-FTTH and SLP5-7. The SLP5-FTTH and SLP5-7 model combine the OPM5-4D optical power meter and either OLS7-FTTH (1310/1490/1550 nm) or OLS7-3 (1310/1550/1625 nm) LASER source respectively.

The OLS7-FTTH and OLS7-3 feature a triple wavelength LASER output from a single port and are easy to operate. 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 OLS7 will also support transmitting pairs of wavelengths in an alternating pattern and triple wavelengths in a sequential pattern. Associated with each operating condition, the designated LED indicator will illuminate to identify the currently enabled operating mode and emitted wavelength wavelength(s) along with battery charge status and external power presence. The OLS7-FTTH & OLS7-3 output ports are equipped with UCI based removable adapters to allow the output connectors to be inspected and cleaned.

The OPM5-4D features automatic wavelength identification and switching (Wave ID) when used with the OLS7, 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 µW] or insertion loss [dB], calibrated wavelengths [nm], tone signal [Hz], wavelength ID, and estimated remaining battery life. The OPM5-4D optical input port accepts a variety of Noyes thread-on style adapter caps (ordered separately) to meet a wide range of testing requirements.

The OPM5-4D and OLS7 offer long battery life from common AA alkaline batteries with external AC adapter available as an option.
The SLP5-FTTH and SLP5-7 test kits are fully N.I.S.T. traceable.

Features

- Handheld, rugged, lightweight
- Wave ID (auto identification & switching)
- Triple, dual, or single Wave ID, CW, Tone
- 270 Hz, 330 Hz, 1 kHz, 2 kHz Tone
- Large LCD with backlight (OPM5-4D)
- Power measurements in dBm or µW; insertion loss in dB
- Reference power level storage
- Up to 500 records per wavelength storage
- USB port for download of stored records
- Windows® compatible software to view, print, and archive stored records
- Low battery indicator
- Long battery life with 2 x AA alkaline, optional AC adapter
- Cost-effective, easy to use
- N.I.S.T traceable

Applications

- Passive Optical Networks (PON) testing
- Certify SM links per TIA/EIA standards
- Fiber identification prior to splicing

Ordering Information

MODEL	INCLUDES
SLP5 -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, SLP5-7 test kit user's guide, and carry case.
SLP5-FTTH	OLS7-FTTH optical light source, OPM5-4D optical power meter, AA batteries, protective rubber boots, adapter cap, USB cable, Windows® compatible software and user's guide, SLP5-FTTH 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 OLS7-3		
Wavelength (±20 nm)	1310 nm	1490 nm	1550 nm	1310 nm	1550 nm	1625 nm
Emitter type	Laser, Class I FDA 21 CFR 1040.10 and 1040.11, IEC 60825-1: 2007-03					
Spectral width	5 nm	3 nm	5 nm	5 nm	5 nm	2 nm
Output power	-5 dBm (typical) into 9/125 fiber					
Output stability	± 0.05 dB over 1 hour (after 15 min warm-up, after 30 sec typical) ± 0.1 dB over 8 hours (after 15 min warm-up, after 30 sec typical)					
Tone output	270 Hz, 330 Hz, 1 kHz, 2 kHz					
GENERAL	**MODELS OLS7-FTTH & OLS7-3**					
Available adapters	SC, FC, ST, LC					
Power	2 x AA batteries, optional AC adapter					
Battery life	Typical 72 hours (with one laser active), minimum 40 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	0.3 kg (0.66 lb)					

All specifications at 25°C.

OPM5-4D specifications

OPTICAL	OPM5-4D
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, µW
GENERAL	
Power	2 x AA batteries, optional AC adapter
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 25ºC and -10 dBm per N.I.S.T. standards.*
All specifications at 25°C

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