NOYES®
SLP4 Triple Wave Test Kits with Wave ID and Set Reference

Features

- Hand-held, rugged, lightweight
- Wave ID (auto identification and switching)
- Triple, dual, or single Wave ID, CW, Tone
- 270 Hz, 330 Hz, 1 kHz, 2 kHz Tone
- 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 triple wavelength single-mode test kits are available in two models, SLP4-FTTH and SLP4-7. The SLP4-FTTH and SLP4-7 model combine the OPM4-4D 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 and OLS7-3 output ports are equipped with UCI based removable adapters to allow the output connectors to be inspected and cleaned.

When used with OLS7 series light sources, 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 SLP4-7 and SLP4-FTTH kits are fully N.I.S.T. traceable.

Applications

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

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OPM4-4D Specifications [a]

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 [b]	±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)

OLS7 Specifications [a]

OPTICAL	MODEL OLS7-FTTH			MODEL OLS7-3		
Wavelength (±20 nm)	1310	1490	1550	1310	1550	1625
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 [c]	±0.05 dB over 1 hour ±0.1 dB over 8 hours					
Tone Output	270 Hz, 330 Hz, 1 kHz, 2 kHz					
GENERAL	**MODELS OLS7-FTTH AND 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 °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	0.3 kg (0.66 lb)					

Notes:

a. All specifications at 25 °C.

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

c. After 15 min warm-up, after 30 sec typical.

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.
OLS7-3 optical light source, OPM4-4D optical power meter, AA batteries, protective rubber boots, adapter cap, and carry case.	SLP4-7
OLS7-FTTH optical light source, OPM4-4D optical power meter, AA batteries, protective rubber boots, adapter cap, and carry case.	SLP4-FTTH

Authorized Channel Partner

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