Noyes MLP 4-2 Specs Provided by www.AAATesters.com

FAFL Telecommunications

Test & Inspection



Features

- Rugged, handheld, lightweight
- Designed for field use
- Certify multimode fiber links per TIA/EIA standards
- Wave ID automatic wavelength identification and switching
- Dual Wave ID, single Wave ID, and CW
- Large LCD with Backlight
- Power measurements in dBm or μW; insertion loss in dB
- Reference power level storage
- AA alkaline, optional rechargeable NiMH battery pack or AC adapter
- Low battery indicator
- Free 50 µm and 62.5 µm mandrels
- · Cost-effective, easy to use
- N.I.S.T traceable

MLP 4-2 multimode test kit with Wave ID and set reference

The MLP 4-2 test kit combines the OPM 4-2D optical power meter and OLS 1-Dual LED light source and is ideally suited for testing multimode fiber optic networks.

The OLS 1-Dual features 850 nm and 1300 nm LED output from a single output port and is easy to operate with only a power button and a wavelength select button. The LED output is stabilized to ensure accurate test results per current TIA/EIA requirements. This light source offers 3 modes of operation: Dual wavelengths sending ID, single wavelength sending ID, and CW. [Active Output], [Battery], and [External Power] indicators identify the currently enabled operating mode, battery charge status, and external power presence. The output port is equipped with a removable SC (FC & ST available) adapter to allow the output connector to be inspected and cleaned.

The OPM 4-2D offers Wave ID, automatic wavelength identification and switching, when used with the OLS 1-Dual. Multiple test Tone detection is provided for fiber identification. The OPM 4-2D 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.

In addition to being powered by two AA alkaline, the OPM 4-2D or OLS 1-Dual can be powered by optional AC adapter and/or rechargeable NiMH battery pack.

The OPM 4-2D optical input port accepts Noyes thread-on style adapter caps. Adapter caps are required for operation and must be ordered separately.

The OPM 4-2D and OLS 1-Dual are fully N.I.S.T. traceable.

Ordering Information

Model	Includes
MLP 4-2	OLS 1-Dual optical light source, OPM 4-2D optical power meter, AA batteries, protective rubber
	boots, adapter cap, 50 and 62.5 μm mandrels, 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

MLP 4-2 multimode test kit with Wave ID and set reference

OLS 1-Dual specifications

Optical	OLS 1-Dual (single port)			
Output wavelength	850 ±30 nm	1300 +50/-10 nm		
Spectral width (typ) (FWHM)	40 nm	120 nm		
Output power	>-20 dBm *			
Fiber size	62.5 μm **			
Output connector	SC (FC & ST available)			
Emitter classification	Class 1 (IEC 60825 - 1)			
Stability	\pm 0.1 dB over 8 hours (after 5 min. warm-up)			
General				
Power	2 x AA batteries, optional NiMH or AC adapter			
Battery life (2 x AA)	Typical 30 hours, Minimum 20 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)	5.5 x 3.2 x 1.5 in (14.0 x 8.1 x 3.8 cm)			
Weight	0.65 lb (.29 kg)			

* Output power will be approximately 3 dB less if a 50 μ m mandrel-wrapped jumper is used instead of a 62.5 μ m mandrel-wrapped jumper.

****** May be used to test 50 or 62.5 μ m fiber with supplied mandrels.

All specifications at 25°C

OPM 4-2D specifications

Optical	0PM 4-2D	
Calibrated wavelengths	850, 1300, 1310, 1550 nm	
Detector type	Germanium (Ge)	
Measurement range	+6 to -60 dBm	
Tone detect range	+6 to -50 dBm +6 to -45 dBm for 850 nm	
Wavelength ID range	+6 to -50 dBm +6 to -45 dBm for 850 nm	
Accuracy *	± 0.25 dB	
Resolution	0.01 dB	
Measurement units	dB, dBm, μW	
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

