

MLP5-2 Multimode Loss Test Kit

MLP5-2 is a rugged loss test kit with data storage designed to measure insertion loss on multimode fiber networks. Each MLP5-2 Kit includes an OLS1-Dual LED Source and OPM5 Optical Power Meter. OLS1-Dual LED Source is a single-port LED (850 and 1300nm) light source designed for performing insertion loss measurements on multimode fiber optic links. Capable of transmitting highly stabilized output (single or dual wavelength) ensuring accurate test results per current EN/ISO/TIA requirements. OPM5 Optical Power Meter provides accurate measurements, reference storage for each calibrated wavelength, detects multiple test tones for fiber identification, and provides in-unit data storage. The simple to use interface allows for easy separation of test results into files. Integrated file management provides access to results and keeps cable/job results separated for fast customer report generation



Features

- Measure insertion loss at 850/1300nm
- Set reference storage for each calibrated wavelength
- Automatic wavelength detection (Wave ID)
- USB port for transfer of stored results
- TRM® 2.0 Reporting Software (Windows® compatible)
- 5 Year Warranty

Applications

- Insertion loss testing on Multimode LANs and Data Centers
- Measuring network power

Specifications

MODEL	OPM5-2D
Calibrated Wavelengths	850, 1300, 1310, 1490, 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

MODEL	OPM5-2D	
Resolution	0.01 dB	
Measurement Units	dB, dBm, μ W	
MODEL	OLS1-DUAL (Single Port)	
Wavelength	850 \pm 30 nm	1300 +30/-20 nm
Spectral Width	45 nm (typ)	120 nm (typ)
Emitter Type	LED	
Safety Class	Class I FDA 21 CFR 1040.10 and 1040.11, IEC 60825-1: 2007-03	
Output Power	>-20 dBm, 62.5 μ m multimode c	
Output Stability	\pm 0.1 dB over 8 hours (after 5 minutes warm-up)	
Tone Output	N/A	
GENERAL SPECIFICATIONS: ALL OPM AND OLS MODELS		
Available Adapters	SC FC, ST, LC	
Power	2 AA batteries	
Operating Temperature	-10 $^{\circ}$ C to 50 $^{\circ}$ C, 90 % RH (non-condensing)	
Storage Temperature	-30 $^{\circ}$ C to 60 $^{\circ}$ 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	0.29 kg (0.65 lb)	

Ordering Information

PART NUMBER	DESCRIPTION
MLP5-2-SC	MM Test Kit with Data Storage and Reporting (SC Adapter)
MLP5-2-FC	MM Test Kit with Data Storage and Reporting (FC Adapter)
MLP5-2-ST	MM Test Kit with Data Storage and Reporting (ST Adapter)
MLP5-2-LC	MM Test Kit with Data Storage and Reporting (LC Adapter)
2900-50-0002MR	OLS FC Adapter
2900-50-0003MR	OLS SC Adapter
2900-50-0004MR	OLS ST Adapter
2900-50-0006MR	OLS LC Adapter
8800-00-0200	OPM FC Adapter
8800-00-0209	OPM SC Adapter
8800-00-0202	OPM ST Adapter
8800-00-0225	OPM LC Adapter

Kit includes light source, power meter, protective rubber boots, AA batteries, USB cable, fiber mandrels, PC reporting tool - TRM® 2.0 Windows®, and 1 x adapter cap set (FC, SC, ST, LC available) in a protective carry case.