



MLP 5-2B Fiber Optic Loss Test Kit

The MLP 5-2B test kit raises field testing to new standards by combining our popular OPM 5-2C optical power meter and the OLS 1-Dual optical light source in a rugged carrying case. Used during installations, the MLP 5-2B performs end-to-end loss measurements on a multimode fiber at 850 and 1300 nm, as well as measurements on a single-mode fiber at 1300 nm.

The OPM 5-2C stores 500 loss readings for each wavelength (850, 1300, 1310, and 1550 nm) for future downloading to a computer or printer. In addition, the OPM5-2C will remeasure any specific memory location without erasing or modifying other loss readings. When the OPM 5-2C is linked directly to a computer during testing, the included PC software offers real-time measurements for extensive stability testing.

features

- Loss measurements at 850 nm and 1300 nm
- Multimode and single-mode testing
- Includes 50 and 62.5 μm mandrels
- Certify 50 or 62.5 μm multimode fiber links for any 850 or 1300nm application, including Gigabit Ethernet (GBE)
- Set reference for each wavelength
- Power meter connects to PC for additional testing options
- N.I.S.T. traceable

ordering information

The MLP 5-2B test kit includes: OPM 5-2C power meter, OLS 1-Dual light source, (1) adapter cap, protective rubber boots, 50 and 62.5 μm mandrels, WinTest data analysis software, serial cable, user's guide, warranty registration card, 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 are available.

specifications

Optical Power Meter	OPM 5-2C
Calibration wavelength	850, 1300, 1310, 1550 nm
Detector type	Germanium (Ge)
Measurement range	+6 to -60 dBm
Measurement units	dB, dBm, μW
Accuracy (@25° C, -10.0 dBm)	± 0.25 dB
Power	typical 60 hours with 9V battery, optional AC adapter
Adapter caps	order separately (ST, SC, FC, and others available)
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)

Optical Light Source	OLS 1-Dual
Wavelength	850, 1300 nm
Emitter type	LED, Class 1 (IEC 60825 - 1)
Spectral width (typ) (FWHM)	40, 120 nm
Stability (@25° C, 5 min. warm-up)	± 0.1 dB over 8 hours
Output power: Multimode (62.5/125 μm) Single-mode (9/125 μm)	-20 dBm @ 850 nm, -20 dBm @ 1300 nm -40 dBm @ 1300 nm
Power	typical 60 hours with 9V battery, optional AC adapter
Output connector	ST, SC, FC
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)

General Kit Specifications

Dynamic range: Multimode (62.5/125 μm) Single-mode (9/125 μm)	35 dB @ 850 & 1300 nm 20 dB @ 1300 nm
Weight	2.9 lbs (1.3 kg)
Size (H x W x D)	9.2 x 13.4 x 4.2 in (23.4 x 34 x 10.7 cm)
Operating Temperature	-10 to 50° C
Storage Temperature	-30 to 60° C

All specifications at 25°C