



OPM 6 & OLS 6 Loss Test Kits with Automatic Dual-Wavelength Testing Feature

The OLS 6 Optical Light Source and OPM 6 Optical Power provide many unique features for testing optical loss in multimode or single-mode fiber cable. The pair is designed to simultaneously test at 850/1300 or at 1310/1550 nm to quickly provide N.I.S.T. traceable test results.

Other testing features include the ability for the OLS 6 to generate a tone at 270 Hz, 1 kHz, and 2 kHz for fiber identification. This feature is often useful to identify specific fibers from a bundle. The OPM 6 performs diagnostic and evaluation measurements associated with fiber optic transmission systems in dB, dBm, and μ W.

The easy-to-read display and on-screen commands of the OPM 6 provide simple operation for testing, storing, and editing loss data. The unit's non-volatile memory can store dual-wavelength test results for up to 1000 fibers in up to 10 user-defined files. Using the supplied Windows™ compatible software, stored files may be transferred to a PC for storage, display, printing, and analysis.

In addition to being powered by two AA alkaline, the OLS 6 and OPM 6 can be powered by optional AC adapters.

features

- Simultaneous loss measurements at 850/1300 nm or 1310/1550 nm
- Singlemode or multimode dual-wavelength testing
- Field storage of 1000 loss readings into 10 user-defined groups
- Field portable, battery operated
- Full fiber documentation via Windows® data analysis software
- Power measurements at 850,1300, 1310, 1550, and 1625 nm
- N.I.S.T. Traceable

available test kits

Optical Light Sources and Power Meters can be packaged together as kits. Test kits include:

- Optical power meter
- Optical light source
- PC test analysis software
- Serial transfer cable
- Protective rubber boots
- Adapter cap
- Alkaline batteries
- Carry case
- Manual



Listed below are available test kits. Other test kit configurations are available upon request.

Test Kits	Power Meter	Light Source	Max. Loss for Wavelength ID	Fiber Type
MLP 6-2	OPM 6-2	OLS 6 DM	15 dB	MM
SLP 6-3	OPM 6-3	OLS 6 DS	40dB	SM
SMLP 6-2	OPM 6-2	OLS 6 DM, OLS 6 DS	15 dB, 30 dB	MM, SM
SLP 6-3/HO*	OPM 6-3	OLS 6 HO	48 dB	SM, High Output

*Not sold in the United States





OPM 6 & OLS 6

Loss Test Kits with Automatic Dual-Wavelength Testing Feature

specifications

Models	OLS 6 DM	OLS 6 DS	OLS 6 HO ¹
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Optical Specifications

Emitter Type	LED	Laser	Laser
Wavelength (nm)	850, 1300	1310, 1550	1310,1550
Output Power (typical)	-20 dBm 62.5 μm Multimode	-10 dBm Singlemode	-2 dBm Singlemode
Optical Connectors	SC or ST	SC, FC, or ST	SC, FC, or ST
Spectral Width (typical)	40 nm	5 nm	5 nm
Stability (after 20 min warm-up)	± 0.1 dB over 1 hr.		
Modes of Operation	CW, 270 Hz, 1 kHz, 2 kHz, or Wavelength ID		

General Specifications

Power	2 AA Alkaline Batteries or AC Adapter
Battery Life (at 25°C)	12 hrs. minimum
Temperature	Operating: 0° to 50°C • Storage: -30° to 60°C
Size (H x W x D)	7.25 x 4.0 x 1.75 in (18.4 x 10.2 x 4.4 cm)
Weight	1.0 lb (.45 kg)

Models	OPM 6-2	OPM 6-3	OPM 6-4
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Optical Specifications

Detector Type	Germanium (Ge)	InGaAs	Filtered InGaAs
Wavelength (nm)	850, 1300, 1310, 1550	850, 1300, 1310, 1550	1310,1550, 1625
Display Range (dBm)	+3 to -55	+10 to -70	+25 to -45
Accuracy (at 25°C & -10 dBm)	± 0.25 dB		
Resolution	± 0.01 dB		
Units	dB, dBm, μW		
Adapter caps	Order Separately (ST, SC, FC, and others available)		

General Specifications

Power	2 AA Alkaline Batteries or AC Adapter
Battery Life (at 25°C)	12 hrs. minimum
Temperature	Operating: 0° to 50°C • Storage: - 40° to 70°C
Size (H x W x D)	7.25 x 4.0 x 1.75 in (18.4 x 10.2 x 4.4 cm)
Weight	1.04 lb (0.47 kg)

1. Not sold in the United States