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Find the *AFL / Noyes OPM6-3* at our website: ***Click HERE***

OPM 6 & OLS 6

Optical Power Meter and Light Source

NOYES
AFL Telecommunications



Features

- Simultaneous loss measurements at 850/1300 nm or 1310/1550 nm
- Singlemode or multimode dual-wavelength testing
- Field storage of 960 loss readings into 10 user-defined groups
- Field portable, battery operated
- Full fiber documentation via Windows™ 95/98/NT 4.0 data analysis software
- Power measurements at 850,1300, 1310, 1550, and 1625 nm
- N.I.S.T. Traceable

Description

The OLS 6 Optical Light Source and OPM 6 Optical Power Meter by Noyes Fiber Systems provide many unique features for testing optical loss in multimode or singlemode fiber cable. Not your typical source and meter, the pair are 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 µW.

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 960 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 or rechargeable batteries, the OLS 6 and OPM 6 can be powered by optional AC adapters. To conserve battery life, the automatic shut off occurs after 20 minutes if no keys are pressed.

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	40 dB	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

www.noyes-fiber.com

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Specifications

Models	OLS 6 DM	OLS 6 DS	OLS 6 HO[1]
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
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

Ordering Information

Adapter caps for most common connector types may be purchased from Noyes Fiber Systems.
Available Adapter caps:

8800-00-0224 ..... 1.25mm Universal
8800-00-0214 ..... 2.5mm Universal
8800-00-0200 ..... FC
8800-00-0209 ..... SC
8800-00-0202 ..... ST
8800-00-0221 ..... E-2000
8800-00-0204 ..... Biconic
8800-00-0203 ..... SMA
8800-00-0225 ..... LC Simplex/Duplex
8800-00-0219 ..... Backplane SC
8800-00-0212 ..... Radiall PFO/VFO
8800-00-0210 ..... ESCON
8800-00-0211 ..... DIN 47256
8800-00-0205 ..... FDDI
8800-00-0201 ..... D4
8800-00-0223 ..... 1000 mm
8800-00-0226 ..... MU Simplex
8800-00-0230 ..... MT-RJ (A side only)
8800-00-0231 ..... MT-RJ (A side or B side)
8800-00-0232 ..... Nickle Silver 2.5mm
8800-00-0236 ..... Backplane 1.25
8800-00-0240 ..... Hughes 1.6mm

For more information on available test kits, adapter caps, and other accessories please call ***1-800-321-5298*** or visit us at ***www.noyes-fiber.com.***

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