

PM-240-MTP Multifiber Optical Power Meter

**Up to
24 Fibers**

Description:

The PM-240-MTP optical power meter is designed to measure absolute or relative optical power in optical networks terminated with 12 – 24 multifiber MTP/MPO connectors. The tester can measure simultaneously optical power level in all up to 24 fibers of MTP/MPO connectors, it can recognize “live” and “dark” fibers. This eliminates the need of fan-out from multi to single fiber connectors. The AWD (Auto Wavelength Detection) function facilitates the tester settings and eliminates the operator’s failure. The memory capacity allows storage and uploading of up to 3000 measurements including memory position or fiber number, wavelength, absolute value or relative value and insertion loss. The SmartProtocol PC evaluation software supports memory download, test report generation and Data Exporter for data download to Excel sheet.

The rechargeable battery ensures long term working with a minimum service life of 2 years. Batteries can be charged via a USB port or external AC/DC adaptor. The microprocessor controlled charging process ensures optimal battery status and extended operation time.



PM-240-MTP

Features:

- Easy measurement of multifiber connectors
- MTP/MPO input interface
- Absolute and Relative optical power measurement
- Displayed units: dBm, dB, mW
- Two functions:
- Portable power meter
- USB probe – accessory of Testing Workplace
- InGaAs or Si photodetector
- Detection of modulation 1 kHz
- AWD (Auto Wavelength Detection) function
- Display backlight
- Firmware upgrade via USB
- Two levels high capacity memory:
- Cable No., Fiber No.
- SmartProtocol PC software
- memory download, reporting solution
- Data Exporter PC software – data download to Excel sheet
- Battery charging via USB port
- Battery status indicator
- Powered by Li-Pol rechargeable battery

Standard accessories:

- Hard carrying case
- SmartProtocol PC software
- Data Exporter PC software
- Power charging adaptor
- USB connection cable
- Traceable calibration certificate

Options:

- Master MTP/MPO connector patchcord

Specifications:

Parameter:		Note:
Photodetector	InGaAs	
Working wavelengths	850, 1300, 1310, 1490, 1550, 1625 nm	can be customized
Dynamic range:	-65 dBm to +10 dBm -57 dBm to +17 dBm	1300, 1310, 1490, 1550, 1625 nm 850 nm
Photodetector	Si	
Working wavelengths	850 nm	
Dynamic range	-40 dBm to +10 dBm	850 nm
Uncertainty	± 5%	1310, 1550 nm @ -20 dBm
Resolution	0.01	
AWD/Modulation Detection	-50 dBm -45 dBm	1300 – 1625 nm 850 nm
Dimensions	170 x 90 x 45 mm	W x H x D
Weight	0.5 kg	
Temperature operating	-10 to +50 °C	
storage	-40 to +70 °C	
Humidity (non condensing)	0 – 95%	
Battery working time	> 300 hrs	
Battery life time	> 2 years	3000 mAh Li-Pol

Compliant with RoHS-requirements (2002/95/EG, 27.01.2003)

Ordering code:

PM-240		Input interface		Detector type	
-	(N)MTPxx	-	(F,M)	-	xx
	NMTP angled MTP flat fibers xx 12/24		F – female, no pins M – male, pins		InGaAs photodetector SI Si photodetector

Typical configuration:

PM-240-NMTP12M

Power meter with InGaAs photodetector, 12 fibers, male (pins) input MTP/APC connector

PM-240-MTP12M-SI

Power meter with Si photodetector, 12 fibers, male (pins) input MTP/PC connector