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[1] multifiber MTP/MPO connectors, in both SM and MM fibers. The tester can measure simultanously optical power level in all up to 12 fibers of MTP/MPO connectors, it can recognize "live" and "dark" fibers. It eliminates the need of fan-out from multi to single fiber connectors. Together with LS-240-MTP light source can measure Insertion loss in all 12 fibers at same time, in addition it is able to to check the polarity status of fibers interconnection between both MTP connectors. The input port ensures interconnection between measured MTP/MPO connector and 12/24 photodetectors. Due to physical contact between connectors the cleanness of both is required, preferably the visual check before measurement is suitable.

The internal memory allows measurement storage and uploading of more than 500x 12-fibers cables including cable and fiber number, wavelength, absolute value or insertion loss. The Data Exporter software allows the user to export stored data to Excel sheet, or other applications.

The rechargeable Li-Pol battery ensures long term operation with a minimum service life of 2 years. Batteries can be charged via a USB port.

PM-240-MTP

Features:

- Hand held, light weight
- Easy measurement of multifiber MTP/MPO connectors, no Fanout required
- Measures power in both SM and MM fibers
- Optical Power and Optical Loss measurement
- Large display with backlight
- Table view or Bar view of all 12/24[1] fibers
- Polarity test (with LS-240-MTP Light Source)
- InGaAs or Si photodetector
- Display backlight
- Can be controlled remotely via USB
- Memory for 500x 12-fibers ribbon cables
- Data Exporter software to export data to Excel sheet or other applications
- Powered by Li-Pol battery with status indication
- Battery charging via USB port

Standard accessories:

- Hard carrying case
- Data Exporter PC software
- Power charging adaptor
- USB connection cable

Note: 1) 24 fibers tester available on request

Options:

- Master MTP/MPO connector patchcord

LS-240-MTP/PM-240-MTP testing

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Specifications:

Parameter:		Note:
Photodetector	InGaAs	
Working wavelengths	850, 1300, 1310, 1490, 1550, 1625 nm	can be customized
Dynamic range:	-50 dBm to +10 dBm -45 dBm to +10 dBm	1300, 1310, 1490, 1550, 1625 nm 850 nm
Photodetector	Si	
Working wavelengths	850 nm	
Dynamic range	-40 dBm to +10 dBm	850 nm
Scan time	3 sec	12 fibers
Uncertainty	± 15%	1310, 1550 nm @ -20 dBm
Resolution	0.01	
AWD/Modulation Detection	-40 dBm -35 dBm	1300 – 1625 nm 850 nm
Dimensions	185 x 100 x 45 mm	W x H x D
Weight	0.5 kg	
Temperature operating storage Humidity (non condensing)	-10 to +50 °C -40 to +70 °C 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:

		Input interface				Detector type
PM-240	**-**	**MTPxx**		**M**	**-**	**xx**
		fibers **xx** 12/24		**M** – male, pins[2]		- InGaAs photodetector **SI** Si photodetector

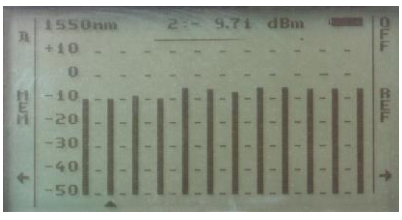
Note: 2) input MTP connector with pins – male

Typical configuration:

PM-240-MTP12M

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

Display of measured results:



Bar view

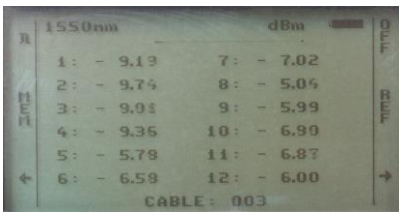
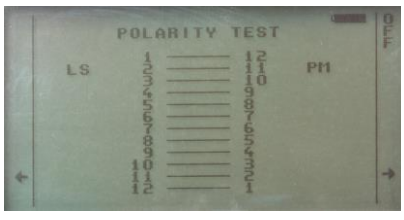


Table view



Polarity test

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