

PM-212-MTP-GE Multifiber optical power meter

**Up to
24 or 32 Fibers**

Description:

The PM-212-MTP-GE optical power meter is designed to measure absolute or relative optical power in optical networks terminated with multifiber MTP/MPO connectors. Because of use the large scale Ge photodiode the tester can measure overall optical power level from all fibers of MTP/MPO connectors in wide wavelength range.

There are two versions for simultaneous measurement:

12/24 multifiber MPO/MTP connectors

16/32 multifiber MPO/MTP connectors

The memory capacity allows storage and uploading of up to 100 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 controlled charging process ensures optimal battery status and extended operation time.



PM-212-MTP-GE



**MTP-12/24
Input adapter**



**MTP-16/32
Input adapter**

Features:

- Easy measurement of multifiber connectors
- MTP/MPO input connector: 12/24 or 16/32 fibers
- Two functions:
 - portable power meter
 - USB probe – accessory of Testing Workplace
- Ge large scale photodetector
- Firmware upgrade via USB
- Displayed units: dBm, dB, mW
- Display backlight - optionally
- High capacity memory
- SmartProtocol PC software
 - memory download, reporting solution
- Data Exporter PC software
 - data download to Excel sheet
- Battery charging via USB port
- Battery status indicator
- Absolute and Relative optical power measurement
- Powered by Li-Pol rechargeable battery

Specifications:

Parameter:		Note:
Photodetector active area	Large scale Ge photodiode 19.6 mm ²	
Working wavelength range	800 - 1800 nm	
Dynamic range:	-40 dBm to +10 dBm	800 - 1800 nm
Uncertainty	± 5%	1310, 1550 nm @ -20 dBm
Resolution	0.01	
Dimensions	80 x 47 x 25 mm	including MTP/MPO adapter
Weight	Less than 90 g	
Temperature operating storage	-10 to +50 °C -40 to +60 °C	
Humidity (non condensing)	0 – 95%	
Battery working time	> 50 hrs	between battery charging
Battery life time	> 2 years	980 mAh Li-Pol

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

Ordering code:

Multifiber single mode tester

PM-212-MTP-GE

tester with Ge photodetector, MTP/MPO 12/24 fibers input interface

PM-212-MTP-GE-16

tester 16/32 MTP/MPO connectors

Standard accessories:

- Power meter
- MTP/MPO input adapter
- Power charging adapter
- Traceable calibration certificate
- USB cable
- Hard carry case (TE-HC-01)
- SmartProtocol SW



TE-HC-01

Options:

- Reference – Master MTP/MPO patchcord¹

Hard carry case (265 x 270 x 90 mm)

Note: 1) MTP patchcord on request, according to: CON_04-14_EN-MTP patchcord datasheet