

## PM-212-MTP-GE Multifiber optical power meter

## **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.



- 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
- · 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:**

| Photodetector active area                                           | Large scale Ge photodiode 19.6 mm2        |                           |
|---------------------------------------------------------------------|-------------------------------------------|---------------------------|
| 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 Temperature storage Humidity (non condensing) | -10 to +50 °C<br>-40 to +60 °C<br>0 - 95% |                           |
| Battery working time                                                | > 95 hrs                                  |                           |
| Battery life time                                                   | > 2 years                                 | 980 mAh Li-Pol            |

#### **Standard accessories:**

## **Optional**

Hybrid Master MTP patchcord
 Hard carry case (TE-HC-01)

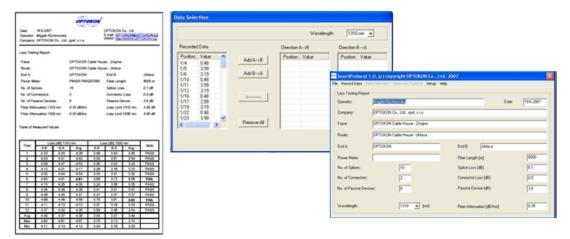
- Power meter
- MPO/MTP input adapter
- Power charging adapter
- Traceable calibration certificate
- Soft carrying case
- USB cable
- SmartProtocol SW



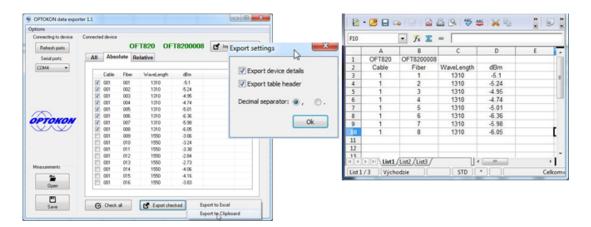
Note: 1) Hybrid MPO patchcord on request, please define connector type

## **SmartProtocol** compatible





#### DataExporter compatible



## **Application:**

- Optical components testing
- Optical networks measurement

## **Ordering Code:**

Multifiber single mode tester

**PM-212-MTP-GE-(16)** tester with Ge photodetector, MTP/MPO 12/24 fibers input interface tester 16/32 MTP/MPO connectors