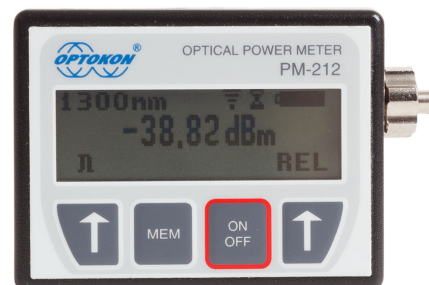# PM-212 Pocket optical power meter - USB probe

## Description:

The PM 212 optical power meter is a small, pocket size low cost item. The small size does not prevent the optical meter fulfilling all technical requirements for field equipment. The tester can be used as pocket power meter or as USB probe, part of testing workstation. It can be placed within rack mount ODF's with the display on the top or on the side. The Li-Pol rechargeable battery ensures long term working time with a minimum life time of 2 years. The unit is able to store 100 measurements which can be uploaded to PC and managed with SmartProtocol software or Data Exporter.

## Features:

- Portable power meter
- USB probe – accessory of Testing Workplace
- Small size, light weight
- SM and MM fiber testing, Six working wavelengths
- Absolute and Relative optical power measurement
- Internal two level memory, capacity up to 100 measurements
- SmartProtocol SW – Test reports creating
- Data Exporter – data download to Excel sheet
- USB port for:
- - USB probe - full control via simple commands
- - charging the battery
- - data upload to PC, - firmware upgrade
- Build-in Li-Pol rechargeable battery, Battery status indicator, Auto Off

## Specifications:

| Photodetector | 1 mm InGaAs | |
|---|---|---|
| Working wavelengths | 850, 1300, 1310, 1490, 1550, 1625 nm | can be customized |
| Uncertainty | ± 5% | 1310, 1550 nm @ -20dBm |
| Resolution | 0.01 | |
| Dynamic range | -60 dBm to +10 dBm<br>-53 dBm to +10 dBm | 1300, 1310, 1490, 1550, 1625 nm<br>850 nm |
| Dimensions | 24 x 47 x 71 mm | including 2.5 mm universal adaptor |
| Weight | Less than 90 g | battery loaded |
| Temperature operating<br>Temperature storage<br>Humidity (non cond.) | -10 to +50 °C<br>-40 to +70 °C<br>0 – 95% | |
| Operating temperature | -10 to +50 °C | |
| Battery working time | > 75 hrs | between battery charging |

| Battery life time | > 2 years | |
|---|---|---|

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

## Options - changeable input adapters:

**Other types available on request:**
TE-ADP-SC    SC adaptor
TE-ADP-FC    FC adaptor
TE-ADP-ST    ST adaptor
TE-ADP-DIN    DIN adaptor
TE-ADP-SMA    SMA adaptor
TE-ADP-LC    LC adaptor
TE-ADP-MU    MU adaptor

TE-ADP-FC          TE-ADP-LC          TE-ADP-SC          TE-ADP-250          TE-ADP-125

## SmartProtocol compatible (refer to TEQ_02-07_EN-SmartProtocol)

## DataExporter compatible (refer to TEQ_08-13_EN-DataExporter)

*FIBER OPTIC TECHNOLOGY*
*CALIBRATION LABORATORY*

## Application:

- Optical networks testing
- Test reports creating

## Accessories:

- Power meter
- Universal 2.5 mm adapter (TE-ADP-250)
- Power charging adapter
- Traceable calibration certificate
- USB cable
- SmartProtocol SW
- Soft case
- Hard plastic case TE-HC-01, 265 x 270 x 90 mm

## Ordering Code:

**PM-212 + (options)**    standard tester

is a registered trademark of OPTOKON, a.s. Other names and trademarks mentioned herein may be the trademarks of their respective owners. OPTOKON, a.s. reserves the right to make changes, without notice, to the products described in this document, in the interest of improving design, operational function and/or reliability.

OPTOKON a.s., Červený Kříž 250, 586 01 Jihlava, Czech Republic, tel. +420 564 040 111, WWW.OPTOKON.COM, SALES@OPTOKON.COM          2021-02-18