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# PM-800N-POF series
# Plastic optical fiber – Optical Power Meter

## Description:

The PM-800N-POF optical power meter is designed for measure absolute and relative value of optical power in POF (Plastic Optical Fiber) networks.

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 and test report generating. The rechargeable battery ensures long term working with a minimum life time of 5 years.

The removable and changeable adapters allow easy maintenance and cleaning of input port, making the tester to be universal in wide range of application with various POF connectors.




PM-800N-POF
Illustrative picture

## Features:

- Two functions:
  - Portable power meter
  - USB probe – accessory of Testing Workplace, full control via simple commands
- POF testing
- Small size, light weight
- Easy exchangeable adapters – source and power meter:
  - Set of POF adapters: HFBR, universal 2.5 mm ferrule and universal 2.2 mm POF cable, SMA
- High-capacity memory
- Absolute and Relative optical power measurement
- Displayed units: dBm, dB, W
- Powered by built-in rechargeable battery
- Contrast display with backlight
- Battery status indicator, Auto Off function

## Standard accessories:

- Set of standard IN adapters
- USB-C connection cable
- Hard carrying case, TE-HC-03, 265x270x90 mm
- Calibration certificate

## Options:

- SMA adapters

## Adapters set:

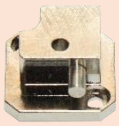
**Standard:**



TE-APF-HFBR



TE-APF-250



TE-APF-220

**Options:**



TE-APF-SMA



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## Specification:

| Power Meter | | | Note: |
|---|---|---|---|
| Photodetector | | 3 mm Si | |
| Working wavelengths | | 650 nm, 850 nm | can be customized |
| Uncertainty | | ± 5% | |
| Resolution | | 0.01 | |
| Dynamic range | | -65 dBm to +10 dBm | 650 nm, 850 nm |
| **General** | | | |
| Dimensions | | 165 x 80 x 50 mm | with universal adapter |
| Weight | | 350 g | with battery |
| Temperature | operating | -10 to +50 °C | |
| | storage | -40 to +70 °C | |
| Humidity | (non condensing) | 0 – 95% | |
| Battery working time | | > 80 hrs | backlight off |
| Battery life time | | > 2 years | 3000 mAh LiPol |

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

## Ordering Code:

**PM-800N-POF**

Power meter, 650+850 nm working wavelengths, set of standard POF IN adapters

**Power meter control from PC:**

Download the PMv13 SW application from:
https://www.optokon.com/clanek/37-stazeni-manualu-a-ovladacu-pro-merici-pristroje



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