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PM-800N
Optical power meter

Description:

The PM-800N is a part of OPTOKON test equipment designed for thorough fiber line diagnostic. It is designed to measure absolute or relative optical power in optical networks. It can be used as portable power meter or as a USB probe. The changeable adaptor design allows the simple exchange of optical connectors according actual need.

Automatic wavelength detection

Automatic wavelength detection (AWD) mode allows using OPTOKON Light source LS-800N and Power meter PM-800N automatically switching the measured wavelength and decreases the possibility of faulty measurement.

Cycle mode

Cycle mode at Light source allows the device to automatically toggle between available wavelengths

The Li-Pol rechargeable battery ensures long-term working time with a minimum lifetime of 2 years. The unit is able to store measurement data which can be uploaded to PC. The backlight function of the display facilitates the reading of measured data in poor lighting conditions



PM-800N

Features:

- Standalone Power meter
- InGaAs or Si photo detector
- More than 20 working wavelengths
- CW / Modulation: 270 Hz, 1 kHz, 2 kHz
- Auto Wavelength Detection (AWD) mode – Cycle mode
- Supports SM and MM fiber testing
- Absolute and relative optical power measurement
- Changeable input adaptors
- USB probe mode
- New faster hardware
- Option for Bluetooth or WIFI module
- USB-C port for control, charging, and data transfer
- Internal two levels memory for up to 3000 measurements
- Comes with its own PM application for setting, data transfer
- Build-in Li-Pol rechargeable battery
- Battery status indicator, Auto Off function

Standard accessories:

- Power meter
- Set of input adapters
  - Universal 2.5 mm
  - FC, SC, LC adapter
- Traceable calibration certificate
- USB-C cable
- Hard plastic case TE-HC-03, 265x270x90 mm

Options:

- Bluetooth module
- Universal input adapter 1.25 mm
- Master patchcord
- Master adapter

Application:

- Optical networks testing, Insertion loss test

Changeable input adapters:

Standard


TE-ADP-FC


TE-ADP-LC


TE-ADP-SC


TE-ADP-250

Option


TE-ADP-125

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Specifications:			
	PM-800N	**PM-800N-SI**	**Note:**
Photodetector	1 mm InGaAs	3.6 mm Si	
Working wavelengths	CWDM: 1270,1290,1310,1330,1350, 1370,1390,1410,1430,1450,1470,1490 1510,1530,1550,1570,1590,1610 nm Others: 850,980,1300,1383,1625 nm	635, 650, 850, 880, 910, 940,980 nm	**1383 nm – Water Peak** wavelength
Dynamic range	-60 dBm to +10 dBm -53 dBm to +15 dBm	-40 to +10 dBm	CWDM, 1300, 1383, 1625 nm 850, 980 nm
Uncertainty	± 5%		1310, 1550 nm @ -20dBm
Resolution	0.01		
Dimensions	165 x 80 x 40 mm		including 2.5 mm universal adaptor
Weight	250 g		
Temperature Humidity (non cond.)	operating: -10 to +50 °C; storage: -40 to +70 °C 0 – 95%		
Battery working time	> 75 hrs		between battery charging

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

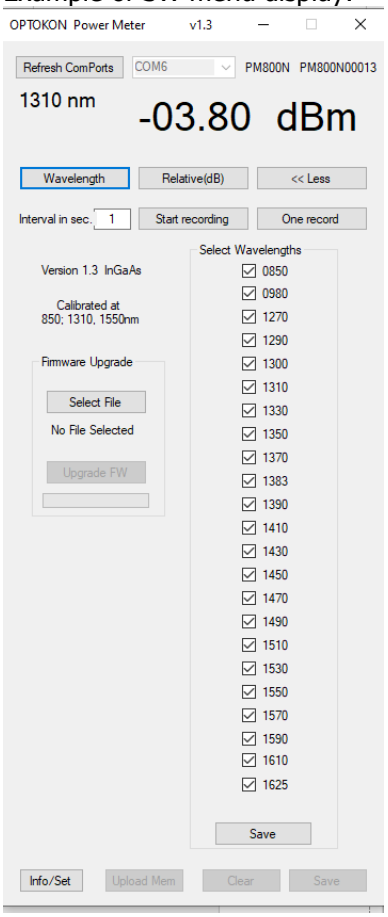
Ordering code:

PM-800N	power meter, InGaAs photodetector
PM-800N-SI	power meter, Si photodetector

PM-800N control from PC:

Download the SW application:
https://www.optokon.com/....

Example of SW menu display:



Test Set:

- Power meter PM-800N and
- Light source LS-800N

- AC/DC power adapter
- USB C cable

- Set of PM-800N IN adapters
- Set of LS-800 OUT adapters

TE-HC-03 hard case



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