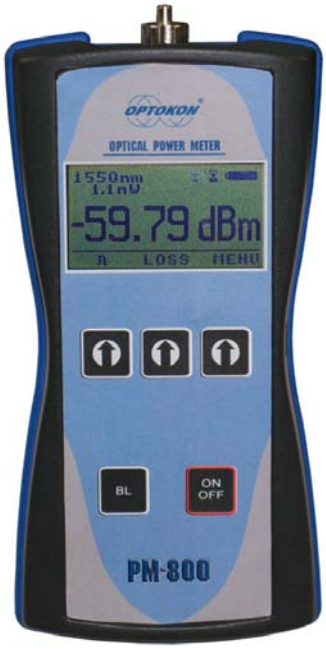
PM-800 Optical Power Meter

Description:

The PM-800 optical power meter is designed to measure absolute or relative optical power in optical networks. The AWD (Auto Wavelength Detection) function facilitates the tester settings and eliminates the operator´s failure. 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 generation.

The rechargeable battery ensures long term working with a minimum service life of 5 years. Batteries can be charged via a USB port or external AC/DC adaptor. The microprocessor controlled charging process ensures optimal battery status and extended operation time.

The PM-800H can measure a high level of optical power, up to 27 dBm.



PM-800

Features:

- Small size, light weight
- InGaAs or Si photodetector
- High input power version
- Detection of modulation 270 Hz, 1 kHz, 2 kHz
- AWD (Auto Wavelength Detection) function
- Two levels high capacity memory:
  Cable No., Fiber No.
- SmartProtocol PC software
  memory download
  reporting solution
- Firmware upgrade via USB
- S/N displayed during switch on
- Displayed units: dBm, dB, W
- High dynamic range
- Absolute and Relative optical power measurement
- Powered by 3 AA type batteries
- Battery charging via USB port, µP controlled
- Battery status indicator
- 10 min Auto Off
- Easy to use with menu navigation
- Simple and fast calibration

Standard accessories:

- Power meter
- Hard carrying case
- SmartProtocol PC software
- Universal 2.5 mm testing adaptor
- Power charging adaptor
- Rechargeable NiMH batteries – 3 pcs
- USB connection cable
- Traceable calibration certificate

Options:

- Testing adaptors: Universal SFF 1.25 mm
  SC FC, ST, ...type
- High power probe: TE-HC-27/NPC (with PM-800H)
- Master patchcord (refer to CON_07-02_EN-Master_Patchcord)


TE-ADP-FC
FC adaptor


TE-ADP-LC
LC adaptor


TE-ADP-SC
SC adaptor


TE-ADP-250
2.5 mm


TE-ADP-125
1.25 mm

Other types available on request:

TE-ADP-ST	ST adaptor
TE-ADP-DIN	DIN adaptor
TE-ADP-SMA	SMA adaptor
TE-ADP-MU	MU adaptor

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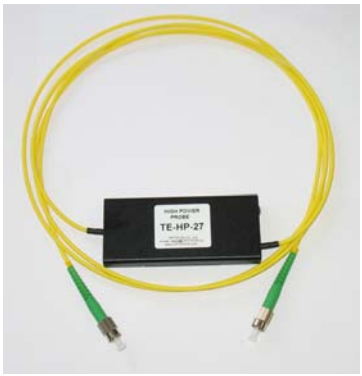
Specifications:

		Note:
Photodetector	1 mm InGaAs	
Working wavelengths	850, 1300, 1310, 1490, 1550, 1625 nm	can be customized
Dynamic range: Standard	-65 dBm to +10 dBm -57 dBm to +17 dBm	1300, 1310, 1490, 1550, 1625 nm 850 nm
Dynamic range: High power	-40 dBm to +17 (max +20[1]) dBm -40 dBm to +27[2] (max +30[1,2]) dBm	1300, 1310, 1490, 1550, 1625 nm
Photodetector	3.6 mm Si	
Working wavelengths	650, 850 nm	
Dynamic range	-40 dBm to +10 dBm	650, 850 nm
Uncertainty	± 5%	1310, 1550 nm @ -20 dBm
Resolution	0.01	
AWD/Modulation Detection	-50 dBm -45 dBm	1300 – 1625 nm 850 nm
Dimensions	165 x 80 x 40 mm	with 2.5 mm universal adapter
Weight	310 g	with battery
Temperature operating storage	-10 to +50 °C -40 to +70 °C	
Humidity (non condensing)	0 – 95%	
Battery working time	> 300 hrs	backlight off
Battery life time	> 5 years	2700 mAh NiMH

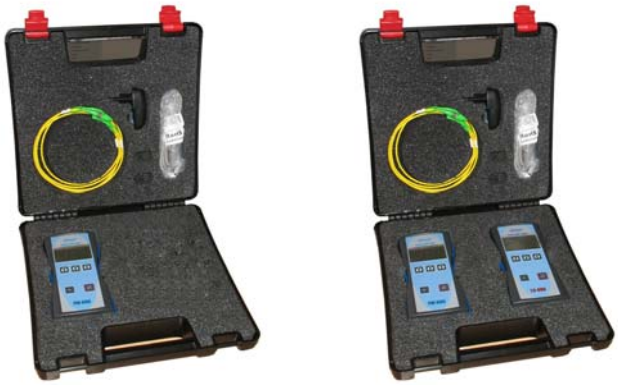
Compliant with RoHS-requirements (2002/95/EG, 27.01.2003)

Note: 1) Short term application
2) Measurement with external probe – necessary for power level > +20 dBm, PM-800H tester

Accessories:



TE-HP-27/NPC



TE-HC-03[3]

Ordering code:

PM-800 Power meter with InGaAs photodetector, standard
PM-800H Power meter with InGaAs photodetector, high input power level
PM-800SI Power meter with Si photodetector

Options:

TE-ADP-XX adaptors (-XX please define adaptor type)
TE-HP-27/NPC high power probe, FC/APC connectors

Note: 3) TE-HC-03 standard accessories, allows storage of two testers (PM-800 + LS-800 for example)

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