PM-212-SI3 Pocket optical power meter USB probe

Description:

The PM-212-SI3 optical power meter is a small, pocket size low cost tester. 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. The tester is equipped with 3.6 mm Si photodetector, working area 13 mm2 designed for measurement of multimode fibers. The input interface is equipped with changeable ASP adapters, which allow connection of wide range multimode connectors. The standard tester is designed for measurement at 850/980 nm, extended wavelength range 850/880/910/940 nm is available.

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 evaluated with SmartProtocol software or Data Exporter.

Features:

- Two functions:
- - Portable power meter
- - USB probe – accesssory of Testing Workplace
- Small size, light weight
- MM fibers testing, 850/980 or 850/880/910/940 nm
- Easy changeable connectors for wide applications
- Absolute and Relative optical power measurement
- Internal two level memory structure
- 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 pack
- Battery status indicator, Auto Off

Specifications:

Photodetector	3.6 mm Si (13 mm2)	
Working wavelengths	850, 980 nm 850, 880, 910, 940 nm	Standard Extended ʎ range
Uncertainty	± 5%	
Resolution	0.01	
Dynamic range	-65 dBm to +10 dBm	
Dimensions	24 x 47 x 71 mm	including 2.5 mm universal adaptor
Weight	less than 90 g	battery loaded
Temperature operating	-10 to +50 °C	
Temperature storage	-40 to +70 °C	
Humidity (non cond.)	0 – 95%	
Operating temperature	-10 to +50 °C	
Battery working time	> 35 hrs	between battery charging
Battery life time	> 2 years	

Standard accessories:

- Power meter
- Universal 2.5 mm input adapter (TE-ASP-250)
- Power charging adapter
- Traceable calibration certificate
- USB cable
- SmartProtocol SW
- Soft case
- Hard plastic case TE-HC-01

TE-HC-01 Hard carry case
(265 x 270 x 90 mm)

Options - changeable input adapters:

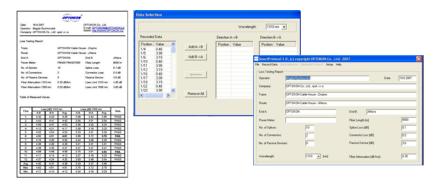|					**Other types available on request:**	
					TE-ADP-SC	SC adaptor
					TE-ADP-FC	FC adaptor
					TE-ADP-ST	ST adaptor
					TE-ADP-DIN	DIN adaptor
					TE-ADP-SMA	SMA adaptor
TE-ADP-FC	TE-ADP-LC	TE-ADP-SC	TE-ADP-250	TE-ADP-125	TE-ADP-LC	LC adaptor
					TE-ADP-MU	MU adaptor

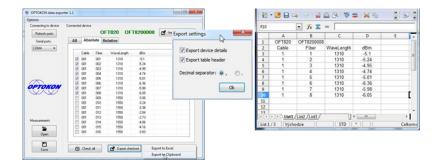## SmartProtocol compatible (refer to TEQ_02-07_EN-SmartProtocol)

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

Application:

- Optical networks testing
- Test reports creating

Ordering Code:

PM-212-SI3 standard MM tester
PM-212-SI3-(85/88/91/94) 850,880,910,940 working ƛ