

# 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 mm<sup>2</sup> 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
- Backlight option
- 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



PM-212-SI3

### 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)

#### Application:

- Optical networks testing
- Test reports creating



**Specifications:** 

Photodetector 3.6 mm Si (13 mm<sup>2</sup>)

850, 980 nm Working wavelengths 850, 880, 910, 940 nm

Uncertainty ± 5% Resolution 0.01

Dynamic range -65 dBm to +10 dBm 24 x 47 x 71 mm **Dimensions** Weight less than 90 g

-10 to +50 °C Temperature operating -40 to +70 °C storage

Humidity (non cond.) 0 - 95%Operating temperature -10 to +50 °C

Battery working time > 35 hrs Battery life time > 2 years

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

#### Note:

Standard

Extended & range

including 2.5 mm universal adaptor

battery loaded

between battery charging

#### Options - changeable input adapters:











TE-ASP-FC

TE-ASP-LC

TE-ASP-SC

TE-ASP-250

TE-ASP-125

\*) Other types available on request:

TE-ASP-SC SC adaptor TE-ASP-FC FC adaptor TE-ASP-ST ST adaptor TE-ASP-DIN DIN adaptor TE-ASP-SMA SMA adaptor TE-ASP-LC LC adaptor TE-ASP-MU MU adaptor

standard MM tester

Ordering code:

PM-212-SI3

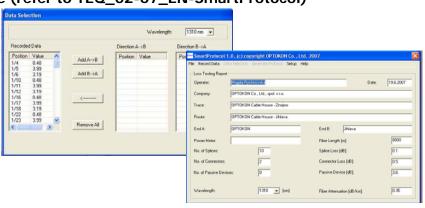
PM-212-SI3-(L)-(85/88/91/94)

backlight option 85/88/91/94

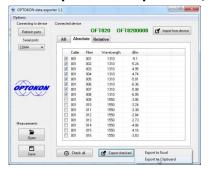
850,880,910,940 working λ

## SmartProtocol compatible (refer to TEQ\_02-07\_EN-SmartProtocol)





#### DataExporter compatible (refer to TEQ\_08-13\_EN-DataExporter)





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А	В	С	D	E	
1 OFT	B20 OFT8200008				
2 Cab	le Fiber	WaveLength	dBm		
3 1	1	1310	-5.1		
4 1	2	1310	-5.24		
5 1	3	1310	-4.95		
6 1	4	1310	-4.74		1
7 1	5	1310	-5.01		
8 1	6	1310	-6.36		П
9 1	7	1310	-5.98		
10 1	8	1310	-6.05		Г
11					Ī
12					

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