

PM-212 Pocket optical power meter - USB probe

Description:

The PM 212 optical power meter is a small, pocket size low cost item. 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. It can be placed within rack mount ODF's with the display on the top or on the side. 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 managed with SmartProtocol software or Data Exporter.



Features:

- Portable power meter
- USB probe - accessory of Testing Workplace
- Small size, light weight
- Backlight option
- SM and MM fiber testing, Six working wavelengths
- Absolute and Relative optical power measurement
- Internal two level memory, 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, Battery status indicator, Auto Off

Specifications:

Photodetector	1 mm InGaAs	
Working wavelengths	850, 1300, 1310, 1490, 1550, 1625 nm	can be customized
Uncertainty	± 5%	1310, 1550 nm @ -20dBm
Resolution	0.01	
Dynamic range	-60 dBm to +10 dBm -53 dBm to +10 dBm	1300, 1310, 1490, 1550, 1625 nm 850 nm
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	> 75 hrs	between battery charging
Battery life time	> 2 years	

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

Options - changeable input adapters:



TE-ADP-FC



TE-ADP-LC



TE-ADP-SC



TE-ADP-250



TE-ADP-125

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-LC LC adaptor
- TE-ADP-MU MU adaptor

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

The image shows two screenshots of the SmartProtocol software. The left screenshot displays a 'Data Selection' dialog box with a table of recorded data. The right screenshot shows the 'SmartProtocol 1.0' main window with various test parameters and a 'Record Data' button.

Position	Value
1/4	0.48
1/5	3.99
1/6	3.19
1/10	0.48
1/11	3.99
1/12	3.19
1/16	0.48
1/17	3.99
1/18	3.19
1/22	0.48
1/23	3.99

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

The image shows two screenshots of the DataExporter software. The left screenshot displays the 'Options' dialog box with 'Export settings' checked. The right screenshot shows a data table with columns for Cable, Fiber, WaveLength, and dBm.

Cable	Fiber	WaveLength	dBm
001	001	1310	-5.1
001	002	1310	-5.24
001	003	1310	-4.95
001	004	1310	-4.74
001	005	1310	-5.01
001	006	1310	-6.36
001	007	1310	-5.98
001	008	1310	-6.05
001	009	1550	-3.06
001	010	1550	-3.24
001	011	1550	-3.38
001	012	1550	-2.84
001	013	1550	-2.73
001	014	1550	-4.06
001	015	1550	-4.15
001	016	1550	-3.83

Application:

- Optical networks testing
- Test reports creating

Accessories:

- Power meter
- Universal 2.5 mm adapter (TE-ADP-250)
- Power charging adapter
- Traceable calibration certificate
- USB cable
- SmartProtocol SW
- Soft case
- Hard plastic case TE-HC-01, 265 x 270 x 90 mm

Ordering Code:

PM-212 + (options) standard tester

PM-212-L + (options) tester with Backlight option