

PM-212-SIM Pocket optical power meter **USB** probe



CALIBRA

FIBER OPTIC TECHNOLOGY

Description:

The PM-212-SIM 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 1.1 mm Si photodetector designed for measurement Multimode fibers. The input interface is equipped with changeable ADP adapters, which allow connection of wide range Multimode connectors.

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.



PM-212-SIM

Features:

- Two functions:
- Portable power meter
- USB probe accesssory of Testing Workplace
- Small size, light weight
- MM fibers testing
- 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
- Battery status indicator, Auto Off

Standard accessories:

- Power meter
- Universal 2.5 mm input adapter (TE-ADP-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)

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Specifications:

Photodetector 1.1 mm Si Working wavelengths 850, 980 nm Uncertainty ± 5% Resolution 0.01 Dynamic range -60 dBm to +10 dBm Dimensions 24 x 47 x 71 mm Weight less than 90 g -10 to +50 °C Temperature operating -40 to +70 °C storage 0 - 95%Humidity (non cond.) 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)

Options - changeable input adapters:









TE-ADP-FC

TE-ADP-LC **TE-ADP-SC**

TE-ADP-250

TE-ADP-125

Ordering code:

PM-212-SIM + (options) PM-212-SIM-L + (options)

Application:

- Optical networks testing
- Test reports creating

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

| Date: 19.6.2007 Operator: Magda Rysterovská Company: OPTOVION Do., LM., a | | DPTCHON Co., Lal | TOKON CZ | F | Data Selecti | ion | | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|---|--------------------------------------------------------|------------------------------|----------------------|-------------------------|------------|---|--------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------|----------------------|
| oss Testing Report | ar e / e | | | | | | | | Wavelength | | Conset Development | 1.0, (c) copyright OPTOKON Co., | 111 2007 | |
| Rode: C End A C Power Meter: F No. of Spices: 1 No. of Passe Devices: 0 Fiber Atternation 1310 rm. 0 | мидо РМидотово р 35 авліжн | e - JMaxa End 8 Filter Length Splice Loss Connector Loss Passive Device: Loss Limit 1310 nm: | .3569.00 8000 m 0.1 db 0.5 db 3.6 db 4.80 db 3.60 db | | 1/5 3 1/6 3 1/10 0 1/11 3 1/12 3 1/16 0 | | Add A->B Add B->A | Direction / Position | | | | Data Selection - Generate Protocol - Sebup | | Date: 196.2007 |
| Fiber Loss (48) 1310 AB D.A 1 4.32 4.24 2 4.45 4.41 3 4.59 4.67 4 4.12 4.25 5 4.52 4.54 6 4.82 4.81 7 4.19 4.25 | NS Liss Arg. A-8 4.28 3.48 4.42 3.56 4.53 3.28 4.17 3.28 4.81 3.09 4.81 3.09 4.81 3.09 | as jall 1000 mn D-A Arg. 3.42 3.46 3.51 3.54 2.15 3.22 3.31 3.32 3.77 3.70 3.76 3.25 | Note PA55 PA55 PA65 PA65 PA65 FA1 PA65 | | 1/18 3 1/22 0 | 3.19 3.19 0.48 3.99 | Remove All | | | 0 | End A: Power Meter No. of Spices: No. of Connectors | | End B: Jihlava Fibm Length (m) Splice Loss (dB) Connector Loss (dB) | 8000 0.1 0.5 |
| 11. 4.11 4.13 12. 4.37 4.24 Aug. 4.40 4.37 Max. 4.82 4.81 | 426 341 437 327 458 375 412 327 420 159 438 343 481 375 412 324 | 341 341 327 327 351 863 348 329 348 329 348 354 337 340 372 370 318 323 | PASS PASS FAIL PASS PASS | | | | | | | | No. of Passive Dev | vices: 0 | Passive Device (dB): Fiber Attenuation (dB/km) | 3.6 |

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

| tions | | | | | | | | |
|----------------------|----------|-----------|------|----------|----------|-----------|------------------------------------------|------|
| Connecting to device | Connecte | d device | | | | | | |
| Reitesh ports | | | 1 | OFT820 | OF | T8200008 | Import from device | |
| Serial ports: | All | Absol | ute | Relative | | | | |
| COM4 - | | | | | | | | |
| (many) | | Cable | Fibe | r Wavel | ength | dBm | | |
| | 125 | 001 | 001 | 13 | 0 | -5.1 | | |
| | 1 | 001 | 002 | 13 | 10 | -5.24 | Export settings | X – |
| | 1 | ✓ 001 003 | 003 | 13 | 0 | -4.95 | export settings | 1000 |
| | 1 | 001 | 004 | 131 | 0 | -4.74 | 1 All All All All All All All All All Al | _ |
| | 1 | 001 | 005 | 13 | 0 | -5.01 | | |
| ~ | 5 | 001 | 006 | | | -6.36 | Export device details | |
| PTOKON | 1 | 001 | 007 | 13 | 0 | -5.98 | LApor Cuevice details | |
| y y | 1 | 001 | 008 | | | -6.05 | The second second | |
| | 213 | 001 | 009 | 158 | 0 | -3.06 | Export table header | |
| | 0 | 001 | 010 | | | -3.24 | | |
| | 83 | 001 | 011 | 158 | | -3.38 | | |
| | 10 | 001 | 012 | | | -2.84 | Decimal separator: (0), (1) | |
| Measurements | 13 | 001 | 013 | | | -2.73 | | |
| ordermenter ti | 10 | 001 | 014 | | | -4.06 | | |
| - | 63 | 001 | 015 | | | -4.16 | Ok | |
| Open | 123 | 001 | 016 | 15 | 0 | -3.83 | UK | |
| open | | | | | | | | |
| 2 | 1 | | | | 11 | | | |
| Save | Ø | Check a | | C E | port che | scked Exp | port to Excel | |
| | | | | | ****** | | port te Clipboard | |

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|-------------------|----------------|------------|-------|---|-----|
| A | B | С | D | E | - |
| L OFT820 | OFT8200008 | | | | |
| 2 Cable | Fiber | WaveLength | dBm | | |
| 3 1 | 1 | 1310 | -5.1 | | |
| 4 1 | 2 | 1310 | -5.24 | | |
| 5 1 | 3 | 1310 | -4.95 | | |
| 5 1 | 4 | 1310 | -4.74 | | |
| 7 1 | 5 | 1310 | -5.01 | | |
| 3 1 | 6 | 1310 | -6.36 | | |
| 9 1 | 7 | 1310 | -5.98 | | |
| 0 1 | 8 | 1310 | -6.05 | | |
| 1 | | | | | |
| 2 | | | | | |
| २ ∢।⊁)मा∖List | 1/List2/List3/ | 1. | | | ъТ. |

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 2

*) Other types available on request:

including 2.5 mm universal adaptor

Note:

can be customized

battery loaded

between battery charging

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 standard MM tester tester with Backlight option