PM-215
Pocket optical power meter
USB probe

NEW!
THE SMALLEST IN THE MARKET

Description:

The PM-215 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.

PM-215

Features:

- Two functions: Portable power meter
  USB probe – accessory of Testing Workplace
- Small size, light weight
- Rotate display – switchable function (right/left-hander use)
- 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

Standard accessories:

- Power meter
- Universal 2.5 mm adapter (TE-ADP-250)
- USB cable
- Power charging adapter
- Traceable calibration certificate
- SmartProtocol SW
- Hard plastic case TE-HC-215, 265x270x90 mm

TE-HC-215

Specifications:		Note:
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	15 x 38 x 90 mm	including 2.5 mm universal adaptor
Weight	less than 80 g	battery loaded
Temperature Humidity (non cond.)	operating -10 to +50 °C, storage-40 to +70 °C 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)

TEQ_02-15_EN
10/04/2016
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Options:

Changeable input adapters[1]:

TE-ADP-FC
FC connector

TE-ADP-LC
LC connector

TE-ADP-SC
SC connector

TE-ADP-250
2.5 mm ferrule

TE-ADP-125
1.25 mm ferrule

Soft case:

TE-EVA-215
130x32x80 mm

Note: 1) other connector type – on request

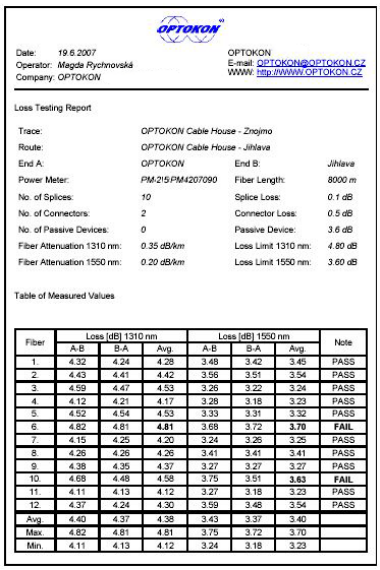
Ordering code: **PM-215 + (options)** standard tester
PM-215-L + (options) tester with Backlight function

Right-hander > switched to > **Left-hander** operator

Application:

- Optical networks testing
- Test reports creating

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



Date: 19.6.2007
Operator: Magda Rychnovská
Company: OPTOKON

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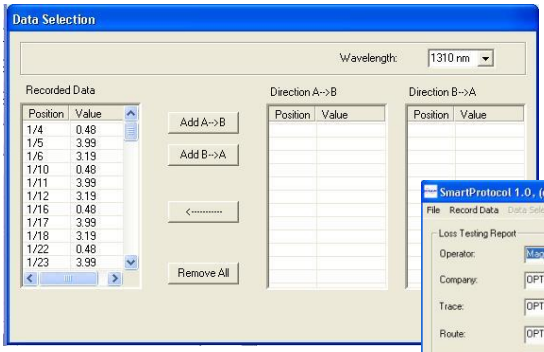
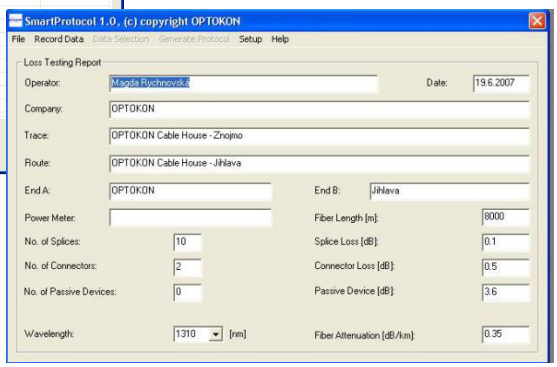
Loss Testing Report

Trace:	OPTOKON Cable House - Znojmo		
Route:	OPTOKON Cable House - Jihlava		
End A:	OPTOKON	End B:	Jihlava
Power Meter:	PM-215/PM4207090	Fiber Length:	8000 m
No. of Splices:	10	Splice Loss:	0.1 dB
No. of Connectors:	2	Connector Loss:	0.5 dB
No. of Passive Devices:	0	Passive Device:	3.6 dB
Fiber Attenuation 1310 nm:	0.35 dB/km	Loss Limit 1310 nm:	4.80 dB
Fiber Attenuation 1550 nm:	0.20 dB/km	Loss Limit 1550 nm:	3.60 dB

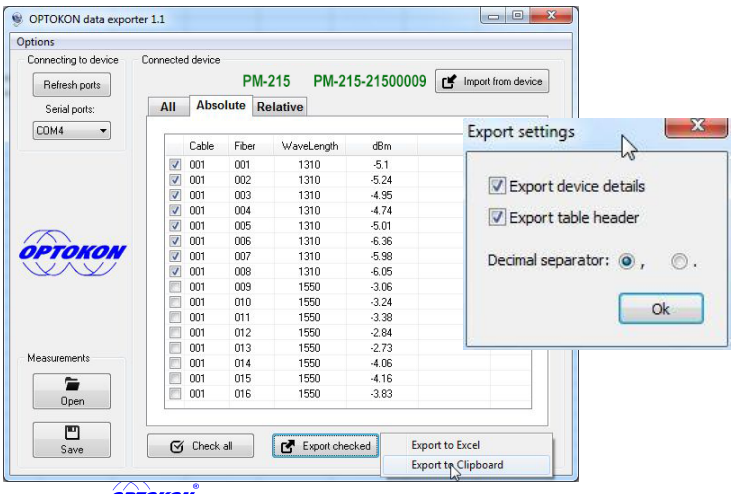
Table of Measured Values

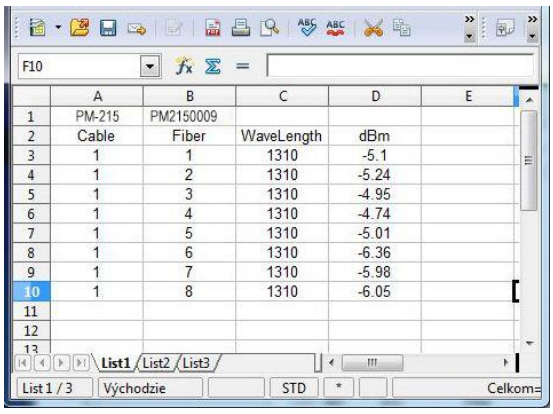
Fiber	Loss [dB] 1310 nm			Loss [dB] 1550 nm			Note
	A-B	B-A	Avg.	A-B	B-A	Avg.	
1.	4.32	4.24	4.28	3.48	3.42	3.45	PASS
2.	4.43	4.41	4.42	3.56	3.51	3.54	PASS
3.	4.59	4.47	4.53	3.26	3.22	3.24	PASS
4.	4.12	4.21	4.17	3.28	3.18	3.23	PASS
5.	4.52	4.54	4.53	3.33	3.31	3.32	PASS
6.	4.82	4.81	**4.81**	3.68	3.72	**3.70**	**FAIL**
7.	4.15	4.25	4.20	3.24	3.26	3.25	PASS
8.	4.26	4.26	4.26	3.41	3.41	3.41	PASS
9.	4.39	4.35	4.37	3.27	3.27	3.27	PASS
10.	4.68	4.48	4.58	3.75	3.51	**3.63**	**FAIL**
11.	4.11	4.13	4.12	3.27	3.18	3.23	PASS
12.	4.37	4.24	4.30	3.59	3.48	3.54	PASS
Avg.	4.40	4.37	4.38	3.43	3.37	3.40	
Max.	4.82	4.81	4.81	3.75	3.72	3.70	
Min.	4.11	4.13	4.12	3.24	3.18	3.23	





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





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