

PM-4212 – Compact 4 port optical power meter

Description:

The PM-4212 is a 4 port portable optical power meter. The small size does not prevent the optical power meter fulfilling the operational requirements of a full size tester.

The power meter is designed for simultaneous measurement of up to 4 single mode or multimode fibers. All four input interfaces are fitted with 1mm InGaAs photo detectors, with changeable ADP adapters for a wide range of single mode and multimode fiber connectors.

The tester can be used as standalone power meter or as part of a testing workstation. Communication with control software is through the USB port or an Ethernet network.



Features:

- Stand-alone power meter
- USB probe – accessory for testing workstation
- Ethernet probe – accessory for testing workstation
- Small size, lightweight
- 4 channel power meter
- Aluminum case
- SM & MM fiber testing
- Easy changeable connectors for wide ranging applications
- Absolute and Relative optical power measurement
- Ethernet RJ-45 port and USB port:
 - for full control via simple commands
- USB port:
 - for firmware upgrade
 - for charging the battery
- Built-in NiMH rechargeable battery pack
- Battery status indicator, Auto Off

Standard accessories:

- Power meter
- FC input adapter (TE-ADP-FC)
- USB cable
- Calibration certificate

Optional accessories

- Power charging adapter 220 V AC/5 V DC
- Hard carry case TE-HC-01



Ethernet port

The PM-4212 power meter series is assembled with a 10/100 Mbps Ethernet port for connection to the local area network. In combination with software the operator can remotely control and measure the network or periodically monitor the link status.

Technical specifications:

Power Meter	Value	Unit	Note
Photo detector	1	mm	InGaAs
Working wavelengths	850, 1300, 1310 1490, 1550, 1625	nm	
Dynamic range	-60 to +10	dBm	1300, 1310, 1490, 1550, 1625 nm
	-53 to +17	dBm	850 nm
Uncertainty	± 5	%	1310, 1550 nm at -20 dBm
Resolution	0.01		
General specifications	Value	Unit	Note
Dimensions	100 x 105 x 40	mm	with TE-ADP-FC adaptor
Weight	340	g	with battery
Operation temperature	-10 to + 50	°C	
Storage temperature	-40 to + 70	°C	
Humidity (non-condensing)	0 to 95	%	
Battery working time	100 ¹	Hours	2700 mA/h NiMH

Ordering code:

PM-4212	Compact 4 port optical power meter with TE-ADP-FC adaptor
PM-4212-TE-ADP-SC	SC adaptor for PM-4212
PM-4212-TE-ADP-FC	FC adaptor for PM-4212
PM-4212-TE-ADP-ST	ST adaptor for PM-4212
PM-4212-TE-ADP-LC	LC adaptor for PM-4212
PM-4212-TE-ADP-250	Universal adaptor for PM-4212
PM-4212-TE-ADP-125	Universal adaptor for PM-4212

Input adapters



TE-ADP-FC



TE-ADP-LC



TE-ADP-SC



TE-ADP-250

Additional adapter types are available on request



¹ Without Ethernet module