

PM-4212-SI3

Compact 4 port optical power meter

Description:

The PM-4212-SI3 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 multimode fibers. All four input interfaces are fitted with 3.6 mm Si photo detectors, each with a 13 mm² working area and with changeable TE-ASP adapters for a wide range of MM 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 of Testing Workplace
- Ethernet probe – accessory of Testing Workplace
- Small size, light weight
- 4 channel power meter
- Aluminum case
- MM fibers testing
- Easy changeable connectors for wide 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 Li-Pol rechargeable battery
- Battery status indicator, Auto Off

Standard accessories:

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

Optional accessories:

- Power charging adapter 220 V AC/5 V DC
- Hard carry case TE-HC-04



Ethernet port

The PM-4212 power meter series is assembled with 10/100 Mbps Ethernet port for connection to a 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
Photodetector	3.6 mm Si		13 mm ²
Working wavelengths	650, 850, 980	nm	
Dynamic range	-65 to +10	dBm	
Uncertainty	± 5	%	
Resolution	0.01		
General specifications	Value	Unit	Note
Dimensions	100 x 105 x 40	mm	with TE-ASP-FC adapter
Weight	280	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	3200 mA/h Li-Pol

Ordering code:

PM-4212-SI3	Compact 4 port optical power meter with TE-ASP-FC adapter
TE-ASP-SC	SC adapter
TE-ASP-FC	FC adapter
TE-ASP-ST	ST adapter
TE-ASP-LC	LC adapter
TE-ASP-250	Universal 2.5 mm adapter

Input adapters:



TE-ASP-FC



TE-ASP-LC



TE-ASP-SC



TE-ASP-250

Additional adapter types are available on request



¹ Without Ethernet module