

MPM2000 and MPM2000H

Single Mode High Performance Power Meters



- 850, 1300, 1310 & 1550nm Germanium Detector
- Wide Dynamic Range
- dBm and dBrel (relative) measurement modes
- Automatic Power Down
- Power Down override during dBrel measurements
- Exceptional battery life
- Ruggedised waterproof housing to IP54
- 3 Year manufacturers warranty

DESCRIPTION

The MPM2000 and MPM2000H are advanced optical power meters that can be used for optical loss testing of fibre optic cables. These have been pre-calibrated for absolute power levels with reference to 1mW (dBm) for 850nm, 1300nm, 1310nm and 1550nm wavelengths using single mode cables. However, they can also be used in relative power mode and can therefore also be used on multi-mode cables.

Custom instruments can be produced with a further 12 laser frequencies programmed in at the factory.

The MPM2000 is accurate to $\pm 5\%$ ($\pm 0.22\text{dBm}$) and has a wide dynamic range of +10dBm to -70dBm making it particularly suitable for the testing of SDH, SONET and other single mode links.

The MPM2000H version offers the same level of accuracy but a dynamic range of +20dBm to -60dBm making it ideal for CATV and other long distance transmission applications.

SPECIFICATIONS

Detector Type:
Germanium

Wavelength:
850nm, 1300nm, 1310nm and 1550nm standard 12 other wave lengths can be factory programmed

Measurement Range:
+10dBm to -70dBm (MPM2000),
+20dBm to -60dBm (MPM2000H)

Measurement Accuracy:
 $\pm 0.22\text{dBm}$ ($\pm 5\%$) at -23dBm and +20°C $\pm 3\%$

Measurement Resolution:
0.01dBm

dBm and dBrel:
Yes

Batteries:
1 6LR61 Alkaline Cell (NiMh on NiCad can be used)

Battery Consumption:
20mA nominal

Power Input:
Can operate and charge internal batteries using optional charger

Optical Connector:
ST, FC or SC connector adaptors available

Case Dimensions:
160mm x 83mm x 30mm

Instrument Weight:
280g with battery

Operational Temperature:
-10°C to +50°C (+14°F to +122°F)

Operational Humidity:
95% at +40°C (+104°F)

Storage Temperature:
-20°C to +70°C (-4°F to +158°F)

ORDERING INFORMATION

Item (Qty)	Order Code	Item (Qty)	Order Code
* MPM2000 High Performance		Multimode Patch Cord with (62.5µm/125µm)	
Fiber Optic Power Meter	6111-532	SC / SC Connectors (3 metres)	22440-032
* MPH2000H High Performance		Multimode Patch Cord with (62.5µm/125µm)	
Fiber Optic Power Meter with Dynamic Range	6111-532	FC / FC Connectors (3 metres)	22440-033
* SC Connector or FC Connector or ST Connector required with body			
FC Connector Adaptor for Power Meter	6220-715	In-line gender changing adaptor with Single mode SC connectors	22440-020
ST Connector Adaptor for Power Meter	6220-716	In-line gender changing adaptor with Single Mode ST connectors	22440-022
SC Connector Adaptor for Power Meter	6220-717	In-line gender changing adaptor with Single Mode/Multimode FC connectors	22440-003
Included Accessories:		In-line gender changing adaptor with Multimode ST connectors	22440-019
User Guide	6172-629	In-line gender changing adaptor with Multimode SC connectors	22440-021
Test & Carry Pouch	6220-714		
Optional Accessories		Bare Fiber adaptor SC connector	25970-034
Single Mode Patch Cord with FC / SC Connectors (3 metres)	22440-007	Bare Fiber adaptor FC connector	25970-035
Single Mode Patch Cord with FC / FC Connectors (3 metres)	22440-008	Bare Fiber adaptor ST connector	25970-036
Single Mode Patch Cord with FC / ST Connectors (3 metres)	22440-009		
Single Mode Patch Cord with ST / ST Connectors (3 metres)	22440-015	UK DC Power Supply	27900-050
Single Mode patch cord with ST / SC Connectors (3 metres)	22440-027	USA DC Power Supply	27900-051
Single Mode Patch Cord with SC / SC Connectors (3 metres)	22440-016	EU DC Power Supply	27900-052
		Rechargeable Battery	25985-023
Multimode Patch Cord with (50µm/125µm)			
FC / FC Connectors (3 metres)	22440-010		
Multimode Patch Cord with (50µm/125µm)			
FC / ST Connectors (3 metres)	22440-011		
Multimode Patch Cord with (50µm/125µm)			
FC / SC Connectors (3 metres)	22440-012		
Multimode Patch Cord with (50µm/125µm)			
ST / ST Connectors (3 metres)	22440-013		
Multimode Patch Cord with (50µm/125µm)			
ST / SC Connectors (3 metres)	22440-014		
Multimode Patch Cord with (50µm/125µm)			
SC / SC Connectors (3 metres)	22440-017		
Multimode Patch Cord with (62.5µm/125µm)			
FC / ST Connectors (3 metres)	22440-028		
Multimode Patch Cord with (62.5µm/125µm)			
ST / ST Connectors (3 metres)	22440-029		
Multimode Patch Cord with (62.5µm/125µm)			
ST / SC Connectors (3 metres)	22440-030		
Multimode Patch Cord with (62.5µm/125µm)			
FC / SC Connectors (3 metres)	22440-031		

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Registered to ISO 14001-1996 Cert. no. EMS 61597
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