

MPM2000 and MPM2000H

Single Mode High Performance Power Meters



- n 850, 1300 & 1550nm Germanium Detector
- n Wide Dynamic Range
- n dBm and dBrel (relative) measurement modes
- n Automatic Power Down
- n Power Down override during dBrel measurements
- n Exceptional battery life
- n Ruggedised waterproof housing to IP54
- n 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 1310nm and 1550nm laser frequencies 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 $\pm 5\%$ ($\pm 0.22\text{dB's}$) and has a wide dynamic range of +10dBs to -70dB's making it particularly suitable for the testing of SDH, Telecom and other Single Mode links.

The MPM2000H is a high powered version with the same level of accuracy but a dynamic range of +20dB's to -60dB's 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:
+10 to -70 dBm (MPM2000),
+20 to -60 dBm (MPM2000H)

Measurement Accuracy:
 $\pm 5\%$ at -23dBm

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

Safety:

Laser Class 1

Case Dimensions:

160 mm x 83 mm x 30 mm

Instrument Weight:

250g

Operational Temperature:

-15°C to +50°C (5°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	Order Code	Item	Order Code
Multimode light source with ST connector	MPM2000	In-line gender changing adaptor with Multimode SC connectors	22440-021
Included Accessories:			
User Guide	6172-629	In-line gender changing adaptor with Single mode ST connectors	22440-022
Test & Carry Pouch	6220-714	In-line gender changing adaptor with Single mode FC connectors	22440-003
Optional Accessories			
Single Mode Patch Cord with FC / SC Connectors (1 metre)	22440-007	Bare Fiber adaptor SC connector	25970-034
Single Mode Patch Cord with FC / FC Connectors (1 metre)	22440-008	Bare Fiber adaptor FC connector	25970-035
Single Mode Patch Cord with FC / ST Connectors (1 metre)	22440-009	Bare Fiber adaptor ST connector	25970-036
Single Mode Patch Cord with ST / ST Connectors (1 metre)	22440-015	Bare Fiber adaptor SC, ST and FC connectors	25970-037
Single mode patch cord with ST/SC connectors	22440-027	* SC Connector or FC Connector or ST Connector required with body	
Single Mode Patch Cord with SC / SC Connectors (1 metre)	22440-016	UK DC Power Supply	27900-050
Multimode Patch Cord with FC / FC Connectors (1 metre) 50 µm	22440-010	USA DC Power Supply	27900-051
Multimode Patch Cord with FC / ST Connectors (1 metre) 50µm	22440-011	EU DC Power Supply	27900-052
Multimode Patch Cord with FC / SC Connectors (1 metre) 50 µm	22440-012		
Multimode Patch Cord with ST / ST Connectors (1 metre) 50 µm	22440-013		
Multimode Patch Cord with ST / SC Connectors (1 metre) 50 µm	22440-014		
Multimode Patch Cord with SC / SC Connectors (1 metre) 50 µm	22440-017		
Multimode Patch Cord with FC / ST Connectors (1 metre) 62.5 µm	22440-028		
Multimode Patch Cord with ST / ST Connectors (1 metre) 62.5 µm	22440-029		
Multimode Patch Cord with ST / SC Connectors (1 metre) 62.5 µm	22440-030		
Multimode Patch Cord with FC / SC Connectors (1 metre) 62.5 µm	22440-031		
Multimode Patch Cord with SC / SC Connectors (1 metre) 62.5 µm	22440-032		
Multimode Patch Cord with FC / FC Connectors (1 metre) 62.5 µm	22440-033		
In-line gender changing adaptor with Multimode ST connectors	22440-019		
In-line gender changing adaptor with Single mode SC connectors	22440-020		

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ISO STATEMENT
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