



PowerBlade- /

Inline Power Meter

Key Features

- In-line power meter
- Suitable for high power measurements up to 20 dBm
- Very low insertion loss
- Power meter linearity of ± 0.1 dBm
- Supports broad wavelength from 1260 nm to 1620 nm

Ordering Information

Mainframe: **MTP1000 | MTPmini**

Single mode inline power meter

PowerBlade - I - X - XX - SM - XX

Number of power meters

2 = 2 power meters

4 = 4 power meters

Wavelength

BB = Broadband

13 = 1310 nm

14 = 1490 nm

15 = 1550 nm

CWDM8 = 1271, 1291, 1311, 1331, 1351, 1371, 1431, 1451 nm

Connector Type

FC = FC/PC

FA = FC/APC

SC = SC/PC

SA = SC/APC

Polarization maintaining inline power meter, 1150 nm

PowerBlade - I - DFB - X - 1310 - 10 - SM - XX

Number of power meters

1 = 1 power meter

2 = 2 power meters

Connector Type

FC = FC/PC

FA = FC/APC

SC = SC/PC

SA = SC/APC

Technical Specifications¹

General Specifications	PowerBlade
Dimensions (HxWxD)	130 mm x 40mm x 305 mm (5.1" x 1.6" x 12")
Weight	~ 1 kg (~2.2 lbs)
Operating temperature range	5 °C to 45 °C (41 °F to 113 °F)
Storage temperature range	-40 °C to 70 °C (-40 °F to 158 °F)

Band	CWM8	Broadband	1550 nm	1490 nm	1310 nm
Fiber connector	FC/APC, FC/PC, SC/PC, SC/APC				
Fiber type	SMF-28		SMF-28 or PM	SMF-28	
Number of channels	2 or 4				
Wavelength range	1260 nm to 1620 nm	1260 nm to 1620 nm	1550 nm to 1620 nm	1440 nm to 1530 nm	1260 nm to 1360 nm
Power	-50 dBm to +20 dBm				
Damage Level	+23 dBm				
Polarization dependent responsivity ^{2,3}	< 0.2 dB				
Wavelength dependent loss	< 0.02 dB/nm				
Linearity ²	±0.1 dB		±0.06 dB	±0.08 dB	
Total uncertainty ^{2,3}	±0.34 dB (typical) ±0.55 dB (max)				
Insertion loss ³	< 0.1 dB				
Return loss ³	> 45 dB				
Averaging time	25 ms to 10 s				
Resolution	0.01 dBm				

Notes: ¹ Specifications are valid at 23 °C ± 3 °C. ² +10 dBm to -40 dBm, 23 °C. ³ Excluding connectors.

To find out more, get in touch with us today.

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