



PolBlade

Polarization Controller

Key Features

- High-speed polarization control
- Preset or custom scramble modes
- Broad wavelength coverage
- Low insertion loss
- Full remote control

Target Applications

- PDL measurement of DUT
- ICR parameter testing
- Polarization selection

Ordering Information

Mainframe: **MTP1000 | MTPmini**

PolBlade: **PolBlade - XX - XX**

Wavelength Band
BB = Broadband

Connector Type
FC = FC/PC
FA = FC/APC
SC = SC/PC
SA = SC/APC

Example: PolBlade - BB - FC

Technical Specifications¹

General Specifications	PolBlade
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	1260 - 1650 nm
Fiber Connector	FC/PC, FC/APC
Fiber Type	SMF9 / 125 µm
Number of waveplates	3
Wavelength range	1260 nm to 1620 nm
Insertion loss ²	< 0.2 dB
Return loss ²	> 65 dB
PDL ²	< 0.1 dB
PMD	< 0.05 ps
Scramble modes	Sinusoid, triangular, random, manual
Maximum frequency of each waveplate (2Vπ)	10 Hz
Wavelength control	Independent
SCPI control	Yes
Maximum safe input power	300 mW

Notes: ¹ Specifications are valid at 23 °C ± 3 °C. ² Excluding connectors.

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

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