

MPC1-04 (4-Channel Motorized Polarization Controller)

Preliminary Technical Specifications:

OPTICAL	
Number of Channels	4
Insertion-Loss (typical)*	< 0.1 dB
Extinction Ratio (typical)*	36 dB
Coverage of Poincare Sphere	100 %
Polarization Dependent Loss*	< 0.002 dB
Wavelength Operation	1300 nm to 1600 nm or 980 nm region
Connector Type	FC, SC, ST, or Bare Fiber
Return Loss (Con. polish)	- 50 dB (0°)
	- 60 dB (8°)

* - at 1550 nm

INSTRUMENTATION CONTROL	
Interface	RS-232/RS-422/RS-485
	IEEE 488.2 GPIB
Response Time*	< 200 ms
SOP Transit Time*	> 700 ° / sec
Software Compatibility	LabView, vr. 6i

* - w/ IEEE 488.2 GPIB

LINE POWER / TEMPERATURE	
Electrical Input Voltage	100/120/230/240 +- 10% VAC
Line Frequency	50/60 Hz
Power Receptacle	IEC 320
Operating Temperature	- 10 °C to + 35 °C

PHYSICAL	
Dimensions (H x D x W)	3.5" x 20" x 16.75"
Rack Mount	Standard 18.5 in.
Weight	≈ 9 lbs.