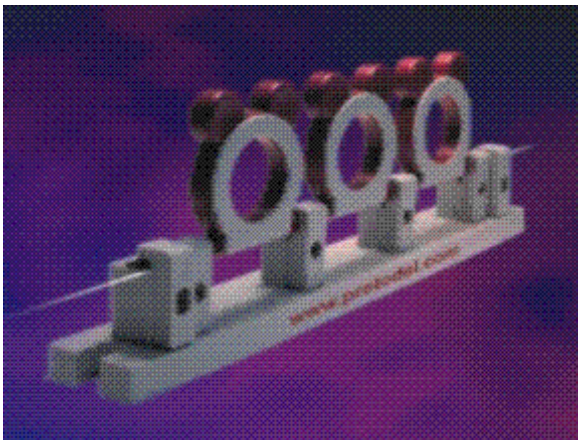
Mechanical Polarization Controller

The FiberLogix mechanical polarization controller provides complete Poincare sphere coverage by adjusting the angles of the user friendly paddles. The design utilizes three wave plates with fixed retardation and variable orientation angles to control the State of Polarization. The flexibility of the paddle design allows you to install a variety of fibers for use at different wavelengths. Additional options including integrated polarizers are available. These devices can be tailored to meet most application requirements Please contact our technical design team to discuss specific requirements.

The Polarization controller unit is deigned to accept bare fiber, 900um loose tube fiber.

Features

- User Friendly
- High Reusability
- Low Loss
- Nearly Zero Back Reflection
- Low Cost
- Passive Operation
- Wide Wavelength Operating Range



Applications:

- PDL Measurements Systems
- PM Light Source
- Optical Fiber Sensors
- Sensor Interrogation Systems
- Test and Measurement Instruments
- Laboratory Bench Top Demo
- Optical Transmission Modeling