

## PC1000



### 3 Paddle Mechanical Polarization Controller

3 paddle mechanical polarization controller is using fiber outside pressure and birefringent effect theory. Its 3 Paddle is respectively equal  $\lambda/4$ 、 $\lambda/2$ 、 $\lambda/4$  plate. When light wave enters  $\lambda/4$  waveplate is transfer line polarization, then use  $\lambda/2$  is adjust polarization direction, finally it enters to  $\lambda/4$  waveplate and line polarization state is change to any polarization. Due to Birefringent's delay effect is come from fiber cladding, roll fiber, and wavelength. It can generate all polarization change.

Passive  
Devices

Passive  
Devices

#### FEATURES

- Equal to  $\lambda/2$ 、 $\lambda/4$  Plate
- Adjust Any Polarization
- Low Insertion Loss
- Easy to Roll Fiber

#### USE IN

- SM to PM Fiber System Application
- Measure PDL
- Fiber Laser
- Fiber Interferometer

#### MECHANICAL DRAWING

