

POLARIZATION CONTROL BOX FPC-8CH



Our new Polarization Control Box, FPC-8CH, is an 18½” rack-mountable unit consisting of eight separate manual polarization controllers. Individual 3-stage rotary knobs provide independent control for any desired state-of-polarization. This modular structure is suitable for DWDM applications and enables quick, easy transport of large numbers of polarization controllers between laboratories.

The FPC-8CH utilizes stress-induced birefringence to alter and control the state-of-polarization of light in single-mode fibers. Complete coverage of the Poincaré sphere and polarization control is provided by rotating the knobs.

Specifications:

Operating Principle	3 fiber Lefèvre loops
Wavelength Range*	1300 – 1610 nm
Insertion Loss† (typical)	≤ 0.1 dB
Extinction Ratio† (typical)	35 dB
PDL † (typical)	≤ 0.003 dB
Connectors	FC/APC or FC/UPC
Dimensions (WxDxH)	17.5” x 16.7” x 2.6” (44.4 cm x 42.4 cm x 6.6 cm)
Weight	14.33 lb. (6.5 kg)

*additional wavelengths are available from 470 nm to 1300 nm

†measured at 1550 nm



P.O. Box 198
Holmdel,
New Jersey 07733
U.S.A.

Tel • 1-888-91-FIBER
Tel • +1-732-332-1860
Fax • + 1-732-332-1861

info@fibercontrol.com
www.fibercontrol.com