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Polarization Controller Microprocessor Based PC Interface

Product Overview

The Phoenix PC interface for the electronically addressed polarization controller (EPC) is part of the FireBird instrumentation range. The simple interface enables the EPC to be controlled and programmed using software developed for the multi-channel polarization controller. The interface has an internal microprocessor to communicate with the PC and store settings for the EPC when connected. Using the interface each of the three waveplates can be individually controlled from the PC. The voltage applied to each waveplate, and the type and frequency of modulation can be adjusted. Voltage scanning options are: sine, ramp, square, and random.



Technical Information

The interface has two 12v connections, to connect to the power supply and to the EPC.

SPECIFICATION	Units	
Voltage supply	V	12v/ 250mA
PC connection		USB

Dimensions

All dimensions are approximate and may vary slightly.

Width:	75mm
Height:	20mm
Length:	75mm

Features & Applications

FEATURES:

- USB interface to PC
- Phoenix polarization control software
- D-type connection compatible with EPC
- Power supply input/output

EXAMPLE APPLICATIONS

- PC control and programming of Phoenix EPC
- State of polarization scanning
- Polarization control
- Component testing
- Sensor systems

Ordering Information

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For more information please contact Phoenix sales:
sales@phoenixphotonics.com or visit us at
www.phoenixphotonics.com

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