

Resistor Simulator PCIe Card

Concurrent Real-Time's Resistor Simulator PCIe card provides 16 individual resistors programmable from 45 ohms to 1 megaohms in 5 ohm steps. Voltage ranges are +/-14V with a maximum current of +/-10mA. Includes OPEN, +VOLTAGE and GROUND fault insertion on all resistor lines



Features

- ◆ 16-channel Digital Programmable Resistance
- ◆ 45 to 1M Ohm Range in 5 Ohm increments
- ◆ 10 Ohm Low Scale Selection
- ◆ +/-14V @ 10 Milliamp
- ◆ Open, Ground and V+ Fault Insertion
- ◆ Galvanic Isolation
- ◆ Overvoltage Protection
- ◆ Analog Devices AD5293 Digital Potentiometers
- ◆ Industry Standard SCSI 68-pin Connector for I/O
- ◆ PCI Express x1 Revision 1.0a
- ◆ NIST Traceable Calibration Standard (Optional)
- ◆ Accuracy:
 - 10 ohms: +/-4 ohms
 - 45 ohms to 1K ohms: +/-10%
 - Greater than 1K ohms: +/-5%

Cabling Options

- CX-CBL-HSI-68-03 - 3-meter cable
- CX-CBL-HSI-68-06 - 6-meter cable
- CX-CBL-HSI-68-10 - 10-meter cable
- CX-CBL-AIO-BRKF Breakout Module

Specifications:

Packaging

Full Height, Full Length PCI Express
3.8" high, 12.3" long

Power Requirements

Less than 25 watts (3.3VDC @ 2Amp,
12VDC @ 1.2 Amp)

Environmental

- Operating: 10° to 40° C
- Storage: -40° to 65°C
- Relative Humidity: 10 to 80%
non-condensing
- ROHS Compliant

Ordering Information:

- ◆ **CP-RESSIM-16**
16-Resistor Simulator PCIe Card
- ◆ **WC-RESSIM**
Driver for RedHawk Linux
- ◆ **ICS-SWB-1284**
SIMulation Workbench I/O License



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