



Key Features

- Eight bi-directional inputs
- Three input ranges, jumper selectable
- Input terminals have internal transorb clamp and 90 V spark gap protection
- CompactPCI™ bus
- Hot swap support

The CompactPCI™ Transducer Input Module features 8 inputs. Each input has two terminals providing a unique return path for each input. This permits the inputs configured as current inputs to be series connected to multiple transducer input devices, and those configured as voltage inputs to be parallel connected to multiple transducer input devices.

The Transducer Input Module has a 24-Bit delta sigma analog-to-digital converter that samples each transducer input, and after adjustment by a factory set gain and offset calibration constant, converts the input to a 16-Bit integer value. These 16-Bit integer values are read by the Host Processor Board which converts them to floating point values and stores them in the floating point database, updating every 500ms. The floating point values by default represent the actual values in mA or volts present at the input.

The 70 Series Configurator software allows the user to enter two specific primary values for the associated transducer input values and automatically calculates the proper offset and gain corrections.

Inputs

- 8 bi-directional inputs, jumper selectable for voltage or current range

0-10V voltage range

- -12.5V to +12.5V dc overload range
- 0.381 mV resolution
- 10K ohm input resistance

0-1mA current range

- 2.5mA to +2.5mA overload range
- 0.0763 uA resolution
- 500 ohm input resistance

4-20mA current range

- 0 mA to +25mA overload range
- 0.381 uA resolution
- 500 ohm input resistance

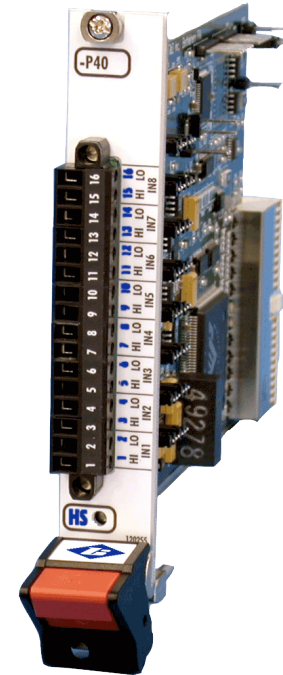
- 500ms data update rate
- 260s in 60ns steps



Module Chassis Interface

- One cPCI connector, 2 mm, hard metric for interface to other modules in chassis
- Complies with CompactPCI™ version 2.0, supporting 32 bit and speeds to 33MHZ
- Complies with CompactPCI™ hot swap specification PICMG 2.1 R1.0

P40 Transducer Input cPCI Module



Front Panel Features

- Color indicator LED for Hot Swap
- Module ejector handle
- Removable terminal block for ease of installation

Environmental

- -40C to 70C operating temperature
- 0-95% non-condensing relative humidity
- IC III (distribution level), Pollution Degree 2 installation category

Contact:

NovaTech, LLC
Bitronics Measurement and Recording
261 Brodhead Road
Bethlehem, PA 18017

T: 610.997.5100
F: 610.997.5450
E: bitronics@novatechweb.com
www.novatechweb.com