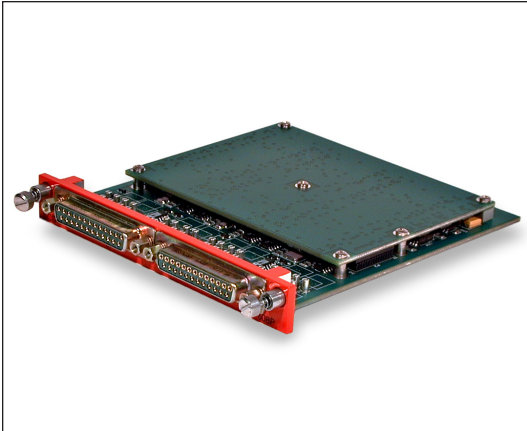


### 8-Channel Accelerometer Card - Voltage & Current Excitation, Full Bridge Conditioner & Programmable 6-Pole Filtering



#### Applications

- Flight Test Instrumentation
- Factory Automation & Process Control
- Strain Gages, Load Cells, Pressure Transducers, ...
- Research Measurements and Experiments

#### Features

- Accelerometer/Full Bridge Conditioner with 8 Channels per Card
- Programmable AC or DC Input Coupling
- AC Coupled Inputs have Active Offset Correction
- Transducer Excitation
  - Programmable Constant Voltage
  - Constant Current
- Presample Filtering
  - 6-pole Low Pass Butterworth Filter with 64 Programmable Fco's
- Software Programmable Gain and Offset per Channel
- Zero, Rcal and Voltage Substitution Calibration
- >1,000 Megohms Input Impedance (Power On)
- $\pm 0.5\%$  System Accuracy
- $\pm 35\text{VDC}$  Overvoltage Protection
- Windows 95/98/NT/2000 Software Included

#### Description

The SCD-608P is an 8-channel plug-in signal conditioning card for use in TTC's EDAU-20XX and CDAU-20XX products. The card is intended for accelerometer signal conditioning applications that require fixed constant current excitation, programmable presample filtering, calibration, and user-programmable gain. In addition, the programmable constant voltage excitation can be used for full-bridge applications. The conditioned analog signal is digitized at up to 12-bit resolution for transmission in the system PCM output format.

Revision 03/06/2009

#### SCD-608P Datasheet

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CAIS  
Compatible



Management  
System  
AS9100C  
ISO 9001:2008

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