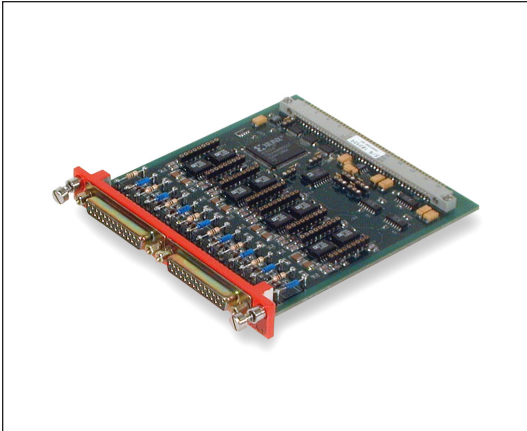


8-Channel AC-Coupled Signal Conditioning Card w/Current Excitation



Applications

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

Features

- 8-Channels per Card
- AC Coupled Inputs with Active Offset Correction
- Constant Current Excitation
- One Pole High Pass Filter, Fco at 1.5 Hz
- 6-pole Butterworth Low Pass Filter with Selectable FCO
- Programmable Gain and Offset
 - 4 Card Gains from 1 to 1,000
 - 8 Chassis Gain Settings
- 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-608A 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, calibration, and user-programmable gain. 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-608A Datasheet

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Specifications subject to change without notice.

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