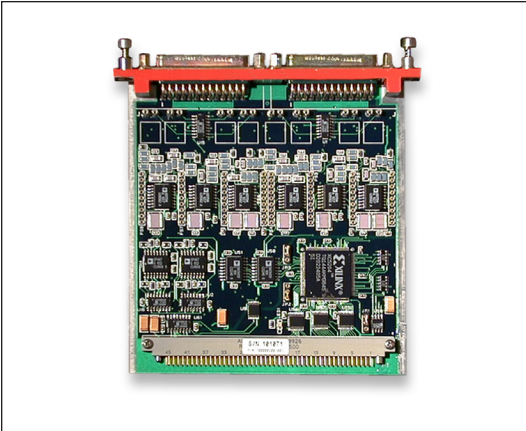


8-Channel Signal Conditioning Card w/Voltage Excitation & Bridge Completion



Applications

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

Features

- 8-Channels per Card
- Selectable Presample Filtering
 - 6-pole Butterworth Filter
- Bridge or Potentiometer Inputs
 - 1/4, 1/2, 3/4 and Full Configurations
 - On-Card Completion of up to 3 Arms
- Programmable Voltage Excitation
- 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-108B 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 applications that require signal conditioning flexibility. The card provides constant voltage excitation, user-selectable presample filtering on a per-channel basis, on-card bridge completion of up to 3 arms, 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.

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SCD-108B Datasheet

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