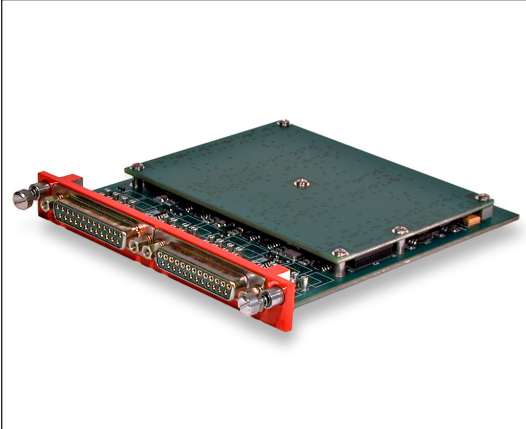


8-Channel Wideband Signal Conditioning Card - Voltage Excitation, Bridge Completion, Programmable Filtering & Simultaneous Sampling



Applications

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

Features

- 8-Channels per Card
- Simultaneous Sampling Capability
- Programmable Presample Filtering
 - 6-pole Butterworth Filter
 - 64 Frequencies (Factory Set)
- 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
 - >10,000 settings from 1 to 2,000
- Zero, Rcal and Voltage Substitution Calibration
- >1,000 Megohms Input Impedance (Power On)
- $\pm 0.5\%$ System Accuracy
- Automatic parasitic offset correction on power-up and ZCAL. This feature can be disabled.
- $\pm 35\text{VDC}$ Overvoltage Protection
- Windows 95/98/NT/2000 Software Included

Description

The SCD-108W is an 8-channel plug-in wideband signal conditioning card for use in TTC's EDAU-20XX and CDAU-20XX products. The card is intended for applications that require significant signal conditioning flexibility and simultaneous sampling capability. The card provides constant voltage excitation, programmable presample filtering, 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-108W Datasheet

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