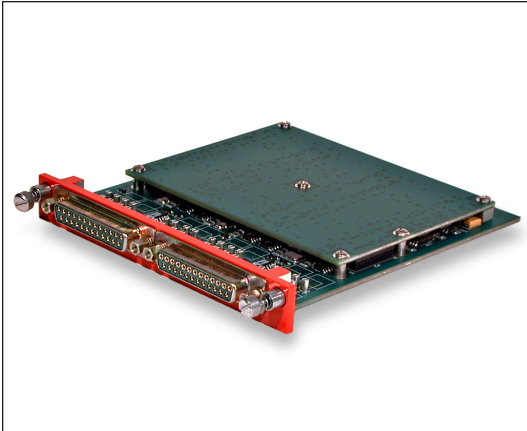


8-Channel Signal Conditioning Card - Voltage & Current Excitation, Bridge Completion, Programmable Filtering, & Simultaneous Sampling



Applications

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

Features

- 8-Channels per Card
- Simultaneous Sampling Capability
- Programmable Presample Filtering
 - 6-pole Butterworth Filter
 - 64 Frequencies (Factory Set)
- Full Bridge or Potentiometer Inputs
- Programmable Voltage Excitation
- Constant Current Excitation
- Programmable AC or DC Input Coupling
- 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
- Compatible with WDAU-20XX operating to 20Mbps
- Windows 95/98/NT/2000 Software Included

Description

The SCD-608W is an 8-channel plug-in signal conditioning card for use in TTC's EDAU-20XX, CDAU-20XX and WDAU-20XX products. The card is intended for applications that require significant signal conditioning flexibility and simultaneous sampling capability. The card provides constant voltage and constant current excitation, programmable presample filtering, 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-608W Datasheet

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