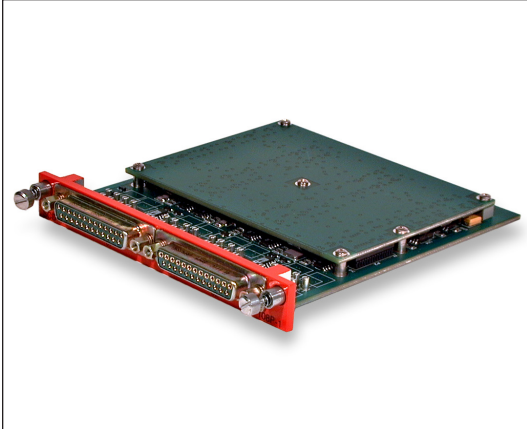


## 8-Channel Signal Conditioning Card - Voltage Excitation, Bridge Completion & Programmable Filtering



### Applications

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

### Features

- 8-Channels per Card
- 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
  - 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-108P 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 significant signal conditioning flexibility. The card provides constant voltage excitation, programmable presample filtering, on-card bridge completion of up to 3 arms, calibration and user-programmable gain. The host chassis provides additional gain/offset programmability on a per-channel basis. The conditioned analog signal is digitized at up to 12-bit resolution for transmission in the system PCM output format.

Revision 05/13/2015

### SCD-108P Datasheet

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Specifications subject to change without notice.

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CAIS  
Compatible



Management  
System  
AS9100C  
ISO 9001:2008

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