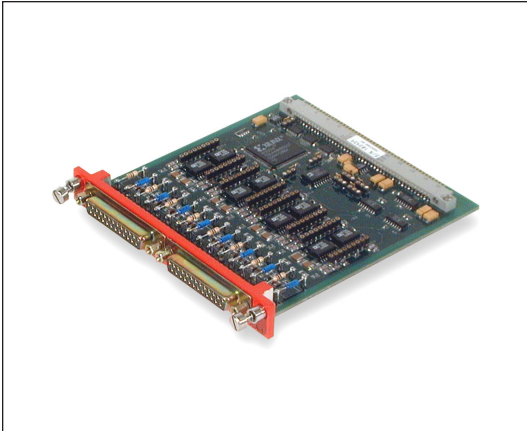


8-Channel Signal Conditioning Card w/Constant Current Excitation



Applications

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

Features

- 8-Channels per Card
- Selectable Presample Filtering
 - 6-pole Butterworth Filter
- Bridge or Potentiometer Inputs
 - Full Bridge Configuration (4-arm)
- Dual Tracking Constant Current Excitation per Channel
- 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-208A is an 8-channel signal conditioning card for use in TTC's EDAU-20XX or CDAU-20XX series products. The card provides constant current excitation and signal conditioning for 4-arm bridge inputs. Each channel provides calibration, programmable gain and presample filtering with selectable cutoff frequency. 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 03/11/2009

SCD-208A 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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