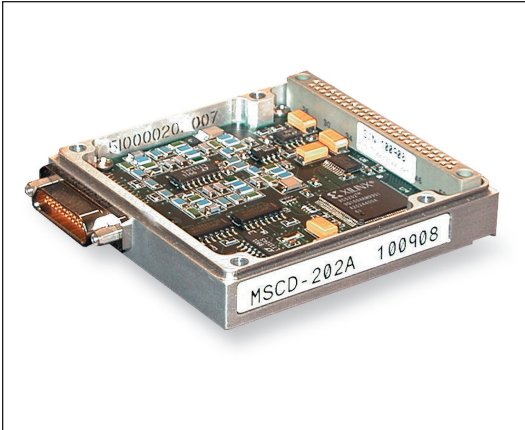


### 2-Channel Signal Conditioning Module w/Constant Current Excitation, Bridge Completion, and Software Programmable Gains



#### Applications

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

#### Features

- 2-Channel Bridge Conditioning Module
- Dual Tracking Constant Current Excitation per Channel
- Compatible with the MEDAU/MCDAU-2000 System
- Four Software Programmable Gains per Channel
- $\pm 0.5\%$  System Accuracy
- 6-pole Butterworth Presample Filtering
- Zero Calibration and Voltage Substitution
- 1,000 kilohms Input Impedance
- $\pm 35\text{VDC}$  Overvoltage Protection
- Windows 95/98/NT/2000 Software Included

#### Description

The MSCD-202A is a 2-channel signal conditioning module for use in TTC's MEDAU-2000 or MCDAU-2000 series products. The module 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 05/12/2015

#### MSCD-202A 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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