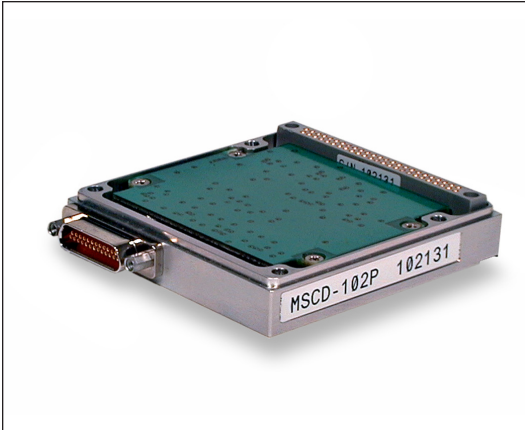


### 2-Channel Signal Conditioning Module w/Programmable Filtering & Voltage Excitation



#### Applications

- Flight Test Instrumentation
- Factory Automation and Process Control
- Strain gages, Potentiometers, ...
- Research Measurements and Experiments

#### Features

- 2-Channels per Module
- Programmable Presample Filtering
  - 6-pole Butterworth Filter
  - From 14 Hz to 2,855 Hz
- Programmable Voltage Excitation
- Programmable Gain and Offset
- Zero and Voltage Substitution Cal
- >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 MSCD-102P is a 2-channel plug-in signal conditioning module for use in TTC's MEDAU-2000 and MCDAU-2000 products. The module is intended for applications that require significant signal conditioning flexibility. The module provides programmable constant voltage excitation, programmable presample filtering, calibration, and user-programmable gain. The host stack 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-102P Datasheet

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Specifications subject to change without notice.

Approved for Public Release 16-S-0918



CAIS  
Compatible



Management  
System  
AS9100C  
ISO 9001:2008

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