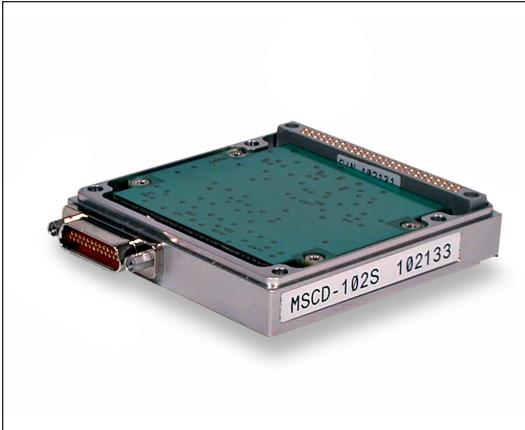


### 2-Channel Signal Conditioning Module w/Simultaneous Sample Capability & Programmable Filtering and Voltage Excitation



#### Applications

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

#### Features

- 2-Channels per Module
- Simultaneous Sample Capability
- Programmable Presample Filtering
  - 6-pole Butterworth Filter
  - From 14 Hz to 2,855 Hz
- Programmable Voltage Excitation
- Programmable Gain and Offset
  - Gains from 1 to 2,000
  - >10,000 Unique Settings
- Zero and Voltage Substitution Cal
  - Auto Zero/Zero-Cal on Power Up
- >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-102S 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 and simultaneous sampling capability. The module provides programmable constant voltage 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.

Revision 05/12/2015

#### MSCD-102S Datasheet

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Specifications subject to change without notice.

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CAIS  
Compatible



Management  
System  
AS9100C  
ISO 9001:2008

Teletronics - A Curtiss-Wright Company  
15 Terry Drive, Newtown, PA 18940  
phone: 267.352.2020 fax: 267.352.2021 Sales@ttcdas.com

[www.ttcdas.com](http://www.ttcdas.com)