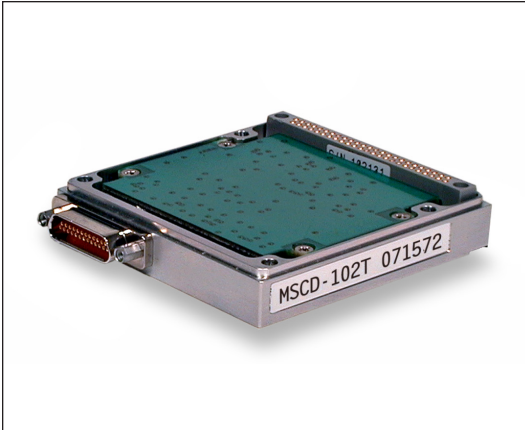


2-Channel Signal Conditioning w/Simultaneous Sample Capability, Thinning Function & Programmable Filtering and Voltage Excitation



Applications

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

Features

- 2-Channels per Module
- Simultaneous Sample Capability
- Thinning Function
- 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-102T 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.

The MSCD-102T also provides a software programmable "Thinning Function" where the Simultaneous Sample rate can be reduced in binary increments on a per module basis.

Revision 05/12/2015

MSCD-102T 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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