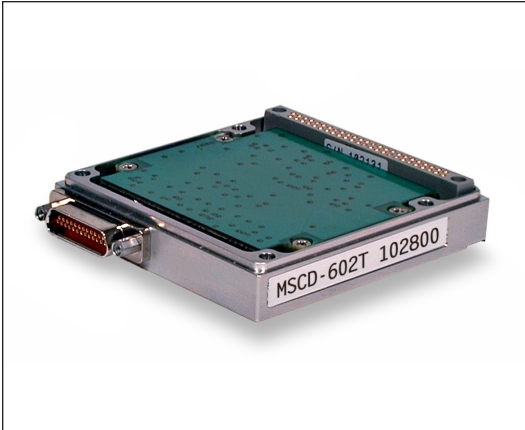


2-Channel Signal Conditioning w/Simultaneous Sample Capability, Thinning Function & Programmable Filtering and Voltage Excitation



Applications

- Flight Test Instrumentation
- Factory Automation & Process Control
- Accelerometers
- Research Measurements and Experiments

Features

- 2-Channels per Module
- Simultaneous Sample Capability
- Thinning Function
- Programmable Presample Filtering
 - 6-pole Butterworth Filter
 - From 36 Hz to 4,050 Hz
- 1-pole HPF at 1.5Hz (-3db)
- Fixed Constant Current Excitation
- Programmable Gain and Offset
 - Gains from 1 to 2,000
 - >10,000 Unique Settings
- Active Offset Correction
- 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-602T 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 constant current excitation, programmable presample filtering, calibration, and programmable gain. The module also provides active offset correction. The conditioned analog signal is digitized at up to 12-bit resolution for transmission in the system PCM output format.

The MSCD-602T 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-602T 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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