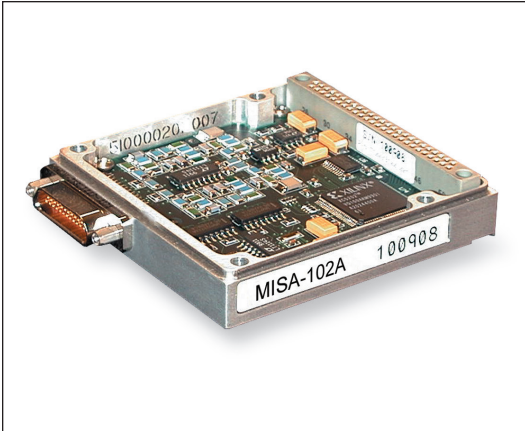


2-Channel Isolated Analog Signal Conditioning Module w/Simultaneous Sample Capability



Applications

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

Features

- 2-Channels per Module
- 1,000 Volt DC Galvanic Isolation, Channel to Channel and Channel to System
- Simultaneous Sample Capability
- Factory Preset Presample Filtering
 - 6th order Butterworth Characteristic
 - From 100 Hz to 25,000 Hz (-3dB)
- Programmable Gain
 - Gains from 1 to 10
 - >3,000 Unique Settings
- Zero and Voltage Substitution Calibration
 - 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 MISA-102A is a 2-channel plug-in isolation and signal conditioning module for use in TTC's MEDAU-2000 and MCDAU-2000 products. The module is intended for applications that require galvanic isolation of up to 1,000 volts, DC from channel to channel and/or from channel to system ground. In addition to isolation, the module provides significant signal conditioning flexibility and simultaneous sampling capability. The module provides calibration, factory preset presample filtering 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

MISA-102A Datasheet

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CAIS
Compatible



Management
System
AS9100C
ISO 9001:2008

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