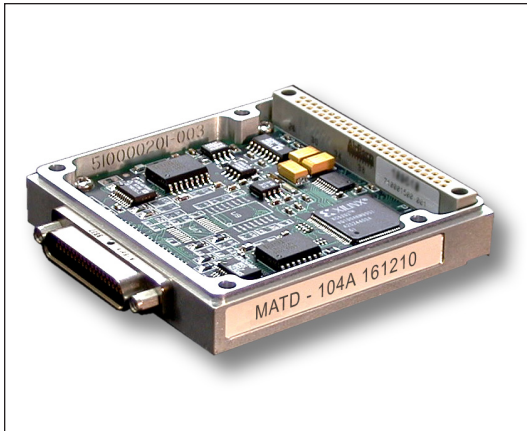


Differential Analog Multiplexer with AD590 Temperature Measurement Input



Applications

- Flight Test Measurements
- Voltage Measurement
- Subsystem Interfaces
- Interface to BEI Motion Pak™ six degree of freedom inertial sensing system

Features

- MATD-104A: 3-channel Differential Analog Mux Module, Plus 1 Current Input Channel
- Conditions AD590 Temp Sensors
- Mux Inputs Accept Voltage and Pre-conditioned Analog
- Mux has Per-channel Attenuation (factory-installed resistors)
- Mux has Per Channel Module Gain (factory set)
- Mux has Per Channel Programmable Gains of 1.0 and 1.5
- Programmable Overhead Gain/Offset
- Multiplexer Inputs:
 - 1,000 megohms input impedance
 - 2 meg power-off input impedance
 - ± 35 VDC overvoltage protection
 - $\pm 0.5\%$ System Accuracy
- Windows 95/98/NT Software included
- Differential Analog Mux with AD590 Current Input Conditioner
- Programmable Gain/Offset

Description

The MATD-104A module provides differential analog multiplexer and AD590 temperature sensor conditioning capability. The modules are used in TTC's MEDAU-2000 or MCDAU-2000 series products. Multiplexer inputs include voltages from various system sources including sensors, transducers, batteries and other pre-conditioned analog voltages. All inputs are encoded into data words at up to 12 bit resolution for transmission in the system PCM output format.

Revision 05/12/2015

MATD-104A Datasheet

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Specifications subject to change without notice.

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