TELETRONICS TECHNOLOGY CORPORATION

MCAS-104D-2 Datasheet

4-Channel Charge Amplifier Card with Programmable Digital Filtering & Simultaneous Sampling

Applications

- Flight Test Instrumentation
- Factory Automation and Process Control
- Piezoelectric Transducers, Accelerometers, Microphones, ...
- Research Measurements and Experiments and constant current

Features

- 4-Channels per Card
- Simultaneous Sampling Capability
- Programmable Digital FIR or IIR Presample Filtering
  - Software selected FIR filters; 120, 90, 60 and 40 Taps
  - 120 Tap FIR filter provides comparable response to 12-pole Butterworth Filter
  - Software selected IIR filters; 6-pole and 8-pole Butterworth, 6-pole Bessel and 6-pole Chebyshev
  - Automatic adaptive filter based on format sample rate
  - Analog anti-aliasing filter
- Programmable Input Range
  - >10,000 settings from ±11,000 to ±137pC Full Scale
- Programmable Offset
- >1,000 Megohms Input Impedance (Power On)
- ±0.5% System Accuracy
- Windows 95/98/NT/2000 Software Included

Description

The MCAS-104D-2 is an 4-channel signal conditioning module for use in TTC's MEDAU-20XX, MCDAU-20XX and MWDAU-20XX products. The module is intended for applications that require significant signal conditioning flexibility and simultaneous sampling capability. The module provides programmable digital presample filtering and user-programmable gain. The conditioned analog signal is digitized at up to 16-bit resolution for transmission in the system PCM output format.

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AS9100 ISO 9001 KEMA CERTIFICATE

CAIS Compatible

Teletronics Technology Corporation
15 Terry Drive, Newtown, PA 18940
phone: 267.352.2020 fax: 267.352.2021 Sales@ttcdas.com
www.ttcdas.com