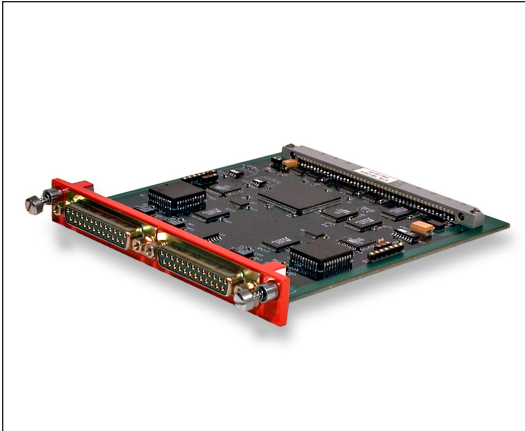


4-Channel Gain Ranging Conditioner w/Voltage or Current Excitation



Applications

- Flight Test Structural and Dynamic Measurements
- Microphone or Acoustic Measurements

Features

- 4-Channel Accelerometer Conditioner Card
- Automatic Gain Ranging
 - Dynamically Adjusts Channel Gain
 - Provides Maximum Signal Resolution
 - Fixed, Auto or Down-Only Gain Modes
- Channel Gains: 1, 4, 16, 64, 256 and 1024 Volts/Volt
- Programmable Per-Channel Signal Conditioning
 - AC or DC Coupling
 - 6-pole Presample Filtering
- Simultaneous Sampling
- Compatible with EDAU/CDAU-20XX System
- Windows 95/98/NT/2000 Software Included

Description

The GRC-104 is a 4-channel automatic gain ranging module for use in TTC's MEDAU/MCDAU products. The module provides constant voltage excitation and conditioning for 4-arm bridge inputs, simultaneous sample capability, calibration, programmable gain and presample filtering with 4 programmable cutoff frequencies. The data is digitized at up to 12-bit resolution and along with four bits of gain and status information, is transmitted in the system PCM output format. The average of the absolute value of the signal is also available for transmission in the PCM output.

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GRC-104 Datasheet

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