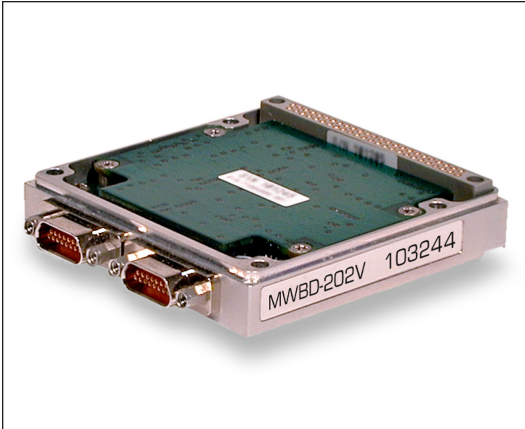


2-Channel Wideband Signal Conditioner Module with Prog. Presample Filtering and Constant Current Excitation



Applications

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

Features

- 2 Channels per Module
- WideBand Signal Conditioner
- Constant Current Excitation
- Programmable Gain
 - 1, 4, 16, 64, 256, and 1024
 - Programmable on per Channel Basis
- Programmable AC/DC Coupling
 - Active Offset Correction in AC Mode
 - AC Common Mode up to $\pm 30V$
- $\pm 0.5\%$ System Accuracy
- Programmable Presample Filtering
 - 6-pole Butterworth Presample Filter
 - 4 Programmable Cut-Off Frequencies
- Average of Absolute Value of Waveform
- Zero & Voltage Substitution Cal
- 1,000 Megohms Input Impedance
- $\pm 35VDC$ Overvoltage Protection
- Windows 95/98/NT/2000 Software Included

Description

The MWBD-202V is a 2-channel wideband signal conditioning module for use in TTC's MEDAU/MCDAU products. The module provides constant current excitation and conditioning for accelerometer and microphone inputs, calibration, programmable gain, and presample filtering with 4 programmable cutoff frequencies. The data is digitized at up to 12-bit resolution for transmission in the system PCM output format.

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MWBD-202V Datasheet

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