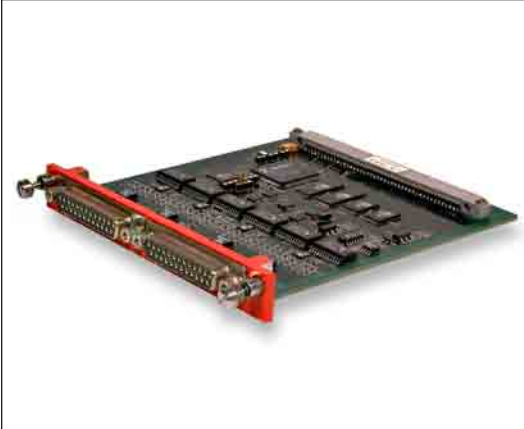


8-Channel Auto-Balance Conditioner with Voltage Excitation



Applications

- Flight test instrumentation
- Strain gages, load cells, pressure transducers
- Research measurements and experiments

Features

- 8-Channel card (bridge, potentiometer, etc.)
- Programmable voltage excitation
- Auto-balance calibration feature
 - User-initiated on a system-wide basis
 - Removes parasitic offsets on a per channel basis
- Software programmable gain and offset per channel
- $\pm 0.5\%$ system accuracy
- 6-Pole Butterworth presample filter w/selectable F_{co}
- Zero, Rcal and auto-balance calibration
- 1,000 MOhm input impedance
- $\pm 35\text{VDC}$ overvoltage protection
- Windows software included

Description

The ABM-108 is an 8-channel auto-balance conditioner card for use in TTC's EDAU-20XX or CDAU-20XX series products. The card is intended for signal conditioning applications that require an automatic parasitic offset to the bridge. Each card provides two (2) programmable voltage excitation outputs, each of which are independently programmable to +10 VDC or +5 VDC.

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ABM-108 Datasheet

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