

## 12-Channel Signal Conditioning Module w/Programmable Gain & Voltage Excitation



### Applications

- Flight test instrumentation
- Factory automation and process control
- Strain gauges, potentiometers, pressure transducers, ...
- Research measurements and experiments

### Features

- 12-channel module (bridge, potentiometer, etc.)
- Programmable voltage excitation
- Compatible with MnDAU/MnWDAU/MnACQ-2000 system
- Software programmable gain and offset per channel
- $\pm 0.5\%$  system accuracy
- 1-pole presample filter
- Zero and voltage substitution calibration
- 1,000 kilohms input impedance
- $\pm 35\text{VDC}$  overvoltage protection
- Microsoft Windows application software included

### Description

The MSCD-112A is a 12-channel signal conditioning module for use in TTC's miniature, stackable data acquisition products. The module provides constant voltage excitation and signal conditioning for 4-arm bridge inputs. Each channel provides calibration, programmable gain, programmable offset and presample filtering with factory set cutoff frequency. The conditioned analog signal is digitized at up to 12-bit resolution for transmission in the system data output format.

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### MSCD-112A Datasheet

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Specifications subject to change without notice.



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