



## I-87016/I-87016(G)

2-channel Isolated Strain Gauge Input Module



### Analog Input

- Channels:2  
Only one channel is available at a time
- Analog Input Type : mV, V, mA
- Sampling Rate: 10 Samples/Second
- Resolution: 16-bits
- Bandwidth: 5.24Hz
- Accuracy:  $\pm 0.05\%$  FSR
- Zero Drift:  $\pm 0.5\mu\text{V}/\text{XC}$
- Span Drift: 25ppm/ $\text{XC}$
- CMR @ 50/60Hz: 150dB
- NMR @ 50/60Hz: 100dB
- Input Impedance: 20M Ohms
- Isolation: 3000V rms

### Excitation Voltage Output

- Output Channels: 1
- Output Range: 0 to +10V
- Max Output Load: 40mA
- Accuracy:  $\pm 0.05\%$  of FSR
- Drift:  $\pm 50\text{ppm}/\text{XC}$
- Output Impedance: 12 Ohms
- Isolation: 3000Vdc



### Digital Output

- Channels: 4
- Open Collector to 30V
- Output Load: sink 30mA max
- Power Dissipation: 30mW

### Digital Input

- Channels: 1
- Logic Level 0: +1V max
- Logic Level 1: +3.5 to 30V

### Event Counter

- Max Input Frequency: 50Hz
- Min. Pulse Width: 1mS

### Power Supply

- Input: +5Vdc
- Consumption :2.4W

### Ordering Information

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