

I-7016P

I-7016P: 1-channel Strain Gauge Input Module
 I-7016PD : I-7016P with LED Display



Analog Input

- Channels: 1
- Analog Input type: mV, V, mA
- Sampling Rate: 10 Samples/Second
Resolution: 16-bit
- Bandwidth: 5.24Hz
- Accuracy: $\pm 0.05\%$
- Zero Drift: $0.5\mu\text{V}/\text{C}$
- Span Drift: $25\text{ppm}/\text{C}$
- CMR @ 50/60Hz: 150dB
- NMR @ 50/60Hz: 100dB
- Input Impedance: 20M Ohms
- Isolation: 3000Vdc

Excitation Voltage Output

- Output Channels: 1
- Output Range: 0 to +10V
- Resolution: 16-bit
- Max Output Load: 40mA
- Accuracy: $\pm 0.05\%$ of FSR
- Drift: $\pm 50\text{ppm}/\text{C}$
- Output Impedance: 12 Ohms
- With voltage feedback
- Isolation: 3000V rms

Digital Output

- Channel: 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

Display LED

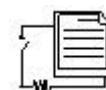
4 1/2 digit LED display (I-7016PD)

Communication Interface

RS-485

Power Supply

- Input: +10 to +30Vdc
- Consumption: 2.4W for I-7016P
3.0W for I-7016PD



[Internal I/O Structure](#)



[PIN Assignment](#)



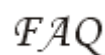
[Wire Connection](#)



[Manual](#)



[Software](#)



[Faq](#)

Ordering Information

I-7016P	Strain Gauge Input Module (6 wires)
I-7016PD	Strain Gauge Input Module with LED display

Suggested Accessory

I-7520	I-7520 series converter for configuration or connection to PC
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