

ADAM-3016

ADAM-3112

ADAM-3114

Isolated Strain Gauge Input Module

Isolated AC Voltage Input Module

Isolated AC Current Input Module



ADAM-3016

CE FCC FM APPROVED



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ADAM-3114

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Specifications

I/O

- Accuracy ±0.1% of full range
- Bandwidth 2.4 kHz (typical)
- Isolation Mode Rejection >100 dB @ 50 Hz/60 Hz
- Current Output Current: 0 ~ 20 mA
Current load resistor: 0 ~ 500 Ω (Source)
150 ppm (typical)
- Stability (Temperature Drift) Electrical input: ±10 mV, ±20 mV, ±30 mV, ±100 mV
Excitation voltage: 1 ~ 10 V_{DC} (60 mA max)
- Voltage Specifications Bipolar: ±5 V, ±10 V
Unipolar: 0 ~ 10 V
Impedance: < 50 Ω
- Voltage Output

General

- Connectors Screw terminal
- Enclosure ABS
- Indicators Power LED indicator
- Isolation 1,000 V_{DC} (Three-way)
- Power Consumption ≤ 1.85 W (voltage output)
≤ 2.15 W (current output)
- Power Input 24 V_{DC} ±10%
- Operating Temperature -10 ~ 70°C (14 ~ 158°F)
- Storage Temperature -25 ~ 85°C (-13 ~ 185°F)

Ordering Information

- ADAM-3016

Isolated Strain Gauge Input Module

Specifications

Voltage Input

Full Range Mode		400 V	250 V	120 V
Input Voltage	AC (V _{RMS})	0 ~ 400	0 ~ 250	0 ~ 120
	DC (V)	0 ~ 400	0 ~ 250	0 ~ 120
Input Impedance	48 k	30 k	14.4 k	

Voltage Output

- Output Signal 0 ~ 5 V_{DC}
- Accuracy <±1.0 % for full range
- Output Impedance <10 Ω @ operating frequency <60 Hz
- Load >10 kΩ
- Ripple <120mVp-p
- Temperature Coefficient 400 ppm/°C
- Input Bandwidth 6 kHz

Power Consumption

- Supply Voltage 24 V_{DC} ±10 %
- Current Consumption 40 mA

General

- Isolation Protection 1,000 V_{DC} (output to power)
2,500 V_{RMS} (input to output, input to power)
- Operating Temperature 0 ~ 60°C (32 ~ 140°F)
- Storage Temperature -20 ~ 70°C (-4 ~ 158°F)
- Storage Humidity 5 ~ 95 %

Ordering Information

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Isolated AC Voltage Input Module

Specifications

Current Input

- AC Current Input 0 ~ 5 A_{RMS}
- DC Current Input 0 ~ 5 A

Voltage Output

- Output Signal 0 ~ 5 V_{DC}
- Accuracy <±1.0 % for full range
- Output Impedance <10 Ω @ operating frequency <60 Hz
- Load >10 kΩ
- Ripple <120mVp-p
- Temperature Coefficient 400 ppm/°C
- Input Bandwidth 10 kHz

Power Consumption

- Supply Voltage 24 V_{DC} ±10 %
- Current Consumption 40 mA

General

- Isolation Protection 1,000 V_{DC} (output to power)
2,500 V_{RMS} (input to output, input to power)
- Operating Temperature 0 ~ 60°C (32 ~ 140°F)
- Storage Temperature -20 ~ 70°C (-4 ~ 158°F)
- Storage Humidity 5 ~ 95 %

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