ADAM-3016
ADAM-3112
ADAM-3114

Specifications

Voltage Input
- Full Range Mode: 400 V, 250 V, 120 V
  - Input AC (VRMS): 0 ~ 400 V, 0 ~ 250 V, 0 ~ 120 V
  - Input DC (V): 0 ~ 400 V, 0 ~ 250 V, 0 ~ 120 V
- Input Impedance: 48 kΩ, 30 kΩ, 14.4 kΩ

Voltage Output
- Output Signal: 0 ~ 5 VDC
- Accuracy: < ±1.0 % for full range
- Output Impedance: < 10 kΩ
- Load: > 10 kΩ
- Ripple: < 120 mVp-p
- Temperature Coefficient: 400 ppm/°C
- Input Bandwidth: 6 kHz

Power Consumption
- Supply Voltage: 24 VDC ± 10 %
- Current Consumption: 40 mA

General
- Isolation Protection: 1,000 VDC (output to power)
- Operating Temperature: 0 ~ 60°C (32 ~ 140°F)
- Storage Temperature: -20 ~ 70°C (-4 ~ 158°F)
- Storage Humidity: 5 ~ 95 %

Ordering Information
- ADAM-3016: Isolated Strain Gauge Input Module
- ADAM-3112: Isolated AC Voltage Input Module
- ADAM-3114: Isolated AC Current Input Module

Specifications

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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 Input: Current: 0 ~ 20 mA
  - Current load resistor: 0 ~ 500 kΩ (Source)
- Stability (Temperature Drift)
  - Electrical input: ±10 mV, ±20 mV, ±30 mV, ±100 mV
  - Excitation voltage: 1 ~ 10 VDC (60 mA max)
  - Bipolar: ±5 V, ±10 V
  - Unipolar: 0 ~ 10 V
  - Impedance: < 50 kΩ

Voltage Specifications
- Voltage Output:
  - Bipolar: ±5 V, ±10 V
  - Unipolar: 0 ~ 10 V
  - Impedance: < 50 kΩ

Power Consumption
- Supply Voltage: 24 VDC ± 10 %
- Current Consumption: 40 mA

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

Ordering Information
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All product specifications are subject to change without notice. Last updated: 5-May-2015