

ADAM-3112

ADAM-3114

Isolated AC Voltage Input Module

Isolated AC Current Input Module



ADAM-3112



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 k Ω
- Ripple: < 120 mVp-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)
- Dimensions (W x H x D): 23.2 x 101 x 93.5 mm (0.91" x 3.97" x 3.68")
- Operating Temperature: 0 ~ 60 °C (32 ~ 140 °F)
- Storage Temperature: -20 ~ 70 °C (-4 ~ 158 °F)
- Storage Humidity: 5 ~ 95%

Ordering Information

- ADAM-3112-AE: Isolated AC voltage input module



ADAM-3114



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 k Ω
- Ripple: < 120 mVp-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)
- Dimensions (W x H x D): 23.2 x 101 x 93.5 mm (0.91" x 3.97" x 3.68")
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Ordering Information

- ADAM-3114-AE: Isolated AC current input module