

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: $< \pm 1.0\%$ for full range
- Output Impedance: $< 10\ \Omega$ @ operating frequency < 60 Hz
- Load: $> 10\ k\ \Omega$
- Ripple: $< 120\ mV_{p-p}$
- Temperature Coefficient: 400 ppm/ $^{\circ}C$
- Input Bandwidth: 6 kHz

Power Consumption

- Supply Voltage: 24 $V_{DC} \pm 10\%$
- 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 $^{\circ}C$ (32 ~ 140 $^{\circ}F$)
- Storage Temperature: -20 ~ 70 $^{\circ}C$ (-4 ~ 158 $^{\circ}F$)
- 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: $< \pm 1.0\%$ for full range
- Output Impedance: $< 10\ \Omega$ @ operating frequency < 60 Hz
- Load: $> 10\ k\ \Omega$
- Ripple: $< 120\ mV_{p-p}$
- Temperature Coefficient: 400 ppm/ $^{\circ}C$
- Input Bandwidth: 10 kHz

Power Consumption

- Supply Voltage: 24 $V_{DC} \pm 10\%$
- 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 $^{\circ}C$ (32 ~ 140 $^{\circ}F$)
- Storage Temperature: -20 ~ 70 $^{\circ}C$ (-4 ~ 158 $^{\circ}F$)
- Storage Humidity: 5 ~ 95%

Ordering Information

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