

ADAM-3011 ADAM-3013 ADAM-3014

Isolated Thermocouple Input Module

Isolated RTD Input Module

Isolated DC Input/Output Module



ADAM-3011



ADAM-3013



ADAM-3014



Specifications

Thermocouple Input

- Common Mode Rejection 115 dB min
- Input Type

T/C type	Temperature Range (°C)	Accuracy at 25°C (°C)
J	-40 ~ 760	±2
K	0 ~ 1,000	±2
T	-100 ~ 400	±2
E	0 ~ 1,000	±2
S	500 ~ 1,750	±4
R	500 ~ 1,750	±4
B	500 ~ 1,800	±4

- Isolation 1,000 V_{DC} (Three-way)
- Output Impedance 0.5 Ω
- Stability (Temperature Drift) ±2°C
- Voltage Output 0 ~ 10 V

General

- Connectors Screw terminal
- Enclosure ABS
- Indicators Power LED indicator
- Isolation 1,000 V_{DC}
- Power Consumption 1.4 W
- Power Input 24 V_{DC} ± 10%
- Operating Temperature 0 ~ 50°C (32 ~ 122°F)
- Storage Temperature -25 ~ 85°C (-13 ~ 185°F)

Ordering Information

- ADAM-3011 Isolated Thermocouple Input Module

Specifications

RTD Input

- Accuracy ± 0.1% of full range (voltage) or ± 0.15°C (voltage)
± 0.2% of full range (current)
- Bandwidth 4 Hz
- Input CMR at DC 92 dB min.
- Input Connections 2, 3 or 4 wires
- Input Type

RTD type	α	Temperature Range (°C)
Pt	0.00385	-100 ~ 100
Pt	0.00385	0 ~ 100
Pt	0.00385	0 ~ 200
Pt	0.00385	0 ~ 600
Pt	0.00385	-100 ~ 0
Pt	0.00385	-100 ~ 200
Pt	0.00385	-50 ~ 50
Pt	0.00385	-50 ~ 150
Pt	0.00392	-100 ~ 100
Pt	0.00392	0 ~ 100
Pt	0.00392	0 ~ 200
Pt	0.00392	0 ~ 600
Ni	N/A	0 ~ 100
Ni	N/A	-80 ~ 100

- Output Range 0 ~ 5 V, 0 ~ 10 V, 0 ~ 20 mA
- Output Resistance < 5 Ω
- Temperature Drift ± 30 ppm of full range

General

- Connectors Screw terminal
- Enclosure ABS
- Indicators Power LED indicator
- Isolation 1,000 V_{DC}
- Power Consumption < 0.95 W
- Power Input 24 V_{DC} ± 10%
- Operating Temperature 0 ~ 70°C (32 ~ 158°F)
- Storage Temperature -25 ~ 85°C (-13 ~ 185°F)

Ordering Information

- ADAM-3013 Isolated RTD Input Module

Specifications

I/O

- Accuracy ±0.1% of full range (typical)
- Common Mode Rejection > 100 dB @ 50 Hz/60 Hz
- Current Input Bipolar: ±20 mA
Unipolar: 0 ~ 20 mA
Input impedance: 250 Ω
- Current Output 0 ~ 20 mA
- Stability (Temperature Drift) 150 ppm (typical)
- Voltage Input Bipolar input: ±10 mV, ±50 mV, ±100 mV, ±0.5 V, ±1.0 V, ±5 V, ±10 V
Unipolar input: 0 ~ 10 mV, 0 ~ 50 mV, 0 ~ 100 mV, 0 ~ 0.5 V, 0 ~ 1 V, 0 ~ 5 V, 0 ~ 10 V
Input impedance: 2 MΩ
Input bandwidth: 2.4 kHz (typical)
- Voltage Output Bipolar: ±5 V, ±10 V
Unipolar: 0 ~ 10 V
Impedance: < 50 Ω
Drive: 10 mA max.

General

- Connectors Screw terminal
- Enclosure ABS
- Indicators Power LED indicator
- Isolation (Three-way) 1,000 V_{DC}
- Power Consumption 0.85 W (voltage output)
1.2 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-3014 Isolated DC Input/Output Module