

ADAM-3011

ADAM-3013

Isolated Thermocouple Input Module

Isolated RTD Input Module



Specifications

Thermocouple Input

- **Common Mode Rejection** 115 dB min
- **Input Type**
T/C type, temperature range and accuracy at 25° C:

J	-40° ~	760° C	(±2° C)
K	0° ~	1000° C	(±2° C)
T	-100° ~	400° C	(±2° C)
E	0° ~	1000° C	(±2° C)
S	500° ~	1750° C	(±4° C)
R	500° ~	1750° C	(±4° C)
B	500° ~	1800° C	(±4° C)
- **Isolation (three way)** 1,000 V_{DC}
- **Output Impedance** 0.5 Ω
- **Stability (temperature drift)** ±2° C
- **Voltage Output** 0 ~ 10 V

General

- **Certifications** CE, FM
- **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%

Environment

- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storing 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 minimum
- **Input Connections** 2, 3 or 4 wires
- **Input Type** Pt or Ni RTD
- **RTD Types and Temperature Ranges**

Pt	-100° ~	100° C	a=0.00385
Pt	0° ~	100° C	a=0.00385
Pt	0° ~	200° C	a=0.00385
Pt	0° ~	600° C	a=0.00385
Pt	-100° ~	0° C	a=0.00385
Pt	-100° ~	200° C	a=0.00385
Pt	-50° ~	50° C	a=0.00385
Pt	-50° ~	150° C	a=0.00385
Pt	-100° ~	100° C	a=0.00392
Pt	0° ~	100° C	a=0.00392
Pt	0° ~	200° C	a=0.00392
Pt	0° ~	600° C	a=0.00392
Ni	0° ~	100° C	
Ni	-80° ~	100° C	
- **Output Range** 0 ~ 5 V, 0 ~ 10 V, 0 ~ 20 mA
- **Output Resistance** < 5 Ω
- **Temperature Drift** +/- 30 ppm of full range

General

- **Certifications** CE, FM
- **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%

Environment

- **Operating Temperature** 0 ~ 70° C (32 ~ 158° F)
- **Storing Temperature** -25~ 85° C (-13~185° F)

Ordering Information

- **ADAM-3013** Isolated RTD Input Module