

# ADAM-3011

# ADAM-3013

## Isolated Thermocouple Input Module

## Isolated RTD Input Module



### Specifications

- **Input Type**  
T/C type, temperature range and accuracy at 25° C:
 

<b>J</b>	-40°	~	760° C	(±2° C)
<b>K</b>	0°	~	1000° C	(±2° C)
<b>T</b>	-100°	~	400° C	(±2° C)
<b>E</b>	0°	~	1000° C	(±2° C)
<b>S</b>	500°	~	1750° C	(±4° C)
<b>R</b>	500°	~	1750° C	(±4° C)
<b>B</b>	500°	~	1800° C	(±4° C)
- **Voltage Output** 0 ~ 10 V
- **Output Impedance** 0.5 Ω
- **Isolation (three way)** 1,000 V<sub>DC</sub>
- **Stability (temperature drift)** ±2° C
- **Common Mode Rejection** 115 dB min
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Power Consumption** 1.4 W

### Ordering Information

- **ADAM-3011** Isolated Thermocouple Input Module

### Specifications

- **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	
- **Input Connections** 2, 3 or 4 wires
- **Output Range** 0 ~ 5 V, 0 ~ 10 V, 0 ~ 20 mA
- **Output Resistance** < 5 Ω
- **Accuracy** +/- 0.1% of full range (voltage) or +/- 0.15° C (voltage)  
+/- 0.2% of full range (current)
- **Temperature Drift** +/- 30 ppm of full range
- **Input CMR at DC** 92 dB minimum
- **Isolation** 1,000 V<sub>DC</sub>
- **Supply Voltage** 24 V<sub>DC</sub> +/- 10%
- **Operating Temperature** 0 ~ 70° C (32 ~ 158° F)
- **Bandwidth** 4 Hz
- **Power Consumption** < 0.95 W

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