

ACE

Isolated Thermocouple Input Module
 Isolated RTD Input Module
 Isolated DC Input/Output Module
 Isolated strain gauge

275 € Discount 20%



Specifications

Thermocouple Input

- Common Mode 115 dB min Rejection
- 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 ±2° C (Temperature Drift)
- 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%
- Operating 0 ~ 50° C (32 ~ 122° F) Temperature
- Storage -25 ~ 85° C (-13 ~ 185° F) Temperature

Ordering Information

- ACE-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	a	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

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

Ordering Information

- ACE-3013 Isolated RTD Input Module

Specifications

I/O

- Accuracy ± 0.1% of full range (typical)
- Common Mode > 100 dB @ 50 Hz/60 Hz Rejection
- Current Input Bipolar: ± 20 mA Unipolar: 0 ~ 20 mA Input impedance: 250 Ω
- Current Output 0 ~ 20 mA
- Stability 150 ppm (typical) (Temperature Drift)
- Voltage Input Bipolar input: ± 10 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 MO 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

- Certifications CE, FM
- Connectors Screw terminal
- Enclosure ABS
- Indicators Power LED indicator
- Isolation 1,000 V_{DC} (Three-way)
- Power 0.85 W (voltage output) Consumption 1.2 W (current output)
- Power Input 24 V_{DC} ± 10%
- Operating -10 ~ 70° C (14 ~ 158° F) Temperature
- Storage -25 ~ 85° C (-13 ~ 185° F) Temperature

Ordering Information

- ACE-3014 Isolated DC Input/Output Module

ACE-3016 is a DIN rail-mounted *strain gauge* input signal conditioning module with 1000 V DC 3-way isolation between input, output and power. The switch configurable input and output offers flexible, wide ranging capability for strain gauge. ADAM-3016 is equipped with a power LED to monitor the line power and a DC-to-DC converter status and 3 VR (ZERO, SPAN, EXCI) to calibrate input/output range and excitation voltage.

Do not hesitate to contact us for more details.

Phone for France + 33 981 831 055

Fax + 33 811 386 397 email : instrumentations@free.fr

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