



IAMA Isolated Universal Converter Signal Conditioning Module

Item number: IAMA0001

The IAMA Isolated Universal Converter Signal Conditioning Module is a high-performing and highly accurate universal signal conditioner that receives input for RTD, TC, Ohm, potentiometer, mA and V. Detachable programming window makes it easy to program and recalibrate the device, as well as mirror existing configurations to save time.



Ultra-slim and easy to use universal signal conditioner and isolator

Features and benefits

- ✓ **Temperature measurement**
Linearized electronic temperature measurement with RTD or TC sensor. Conversion of linear resistance variation to a standard analog current/voltage signal.
- ✓ **Analog output control**
Process control with standard analog output
- ✓ **Easy installation**
Easily install to a DIN-rail.
- ✓ **Designed for harsh environments**
Engineered to deliver uncompromising performance in demanding environments.
- ✓ **3-port isolation**
High galvanic isolation of 2.5 kVAC. Full isolation from signal input and analog output. Provides separation of analog signals and measurement of floating signals. Signal/noise ratio of >60 dB.
- ✓ **Power supply**
2-wire supply > 15 V
- ✓ **Data and status readouts**
Fixed front, 4-line LCD display provides readout of process data and status.
- ✓ **Industry certified**
UL-listed and ATEX/IECEx approvals. Class 1, Division 2 or Zone 2 hazardous locations.

IAMA Isolated Universal Converter Signal Conditioning Module



General	
Net Weight (g)	70.023265
Packed Weight (g)	70.023265
Operating Temperature °C Min	-25
Operating Temperature °C Max	70
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	< 95% RH (non-cond.)
Power Consumption (W)	2
Input Voltage (V)	16.8 to 31.2 VDC
Maximum Installation Altitude (m)	2000
Mounting	DIN rail mount (bracket included)
Packaging Material	Cardboard
Warranty (years)	2
Identification and Status	
Product ID	IAMA0001
Country of Origin	United States of America (the)
HS Code	9032890090
Dual Usage	No
Physical Features	
SD Card Slot	No
Flash Drive	No

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Physical Features

Contains Battery	No
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Certifications and Standards

Protection Class IP	IP20
RoHS Compliant	Yes
CE	Yes
FCC	No
UKCA	No
UL	Yes
ATEX	Yes
DNV	No
KC	No
Vibration and Shock	Vibration: IEC 60068-2-6: 2 to 25 Hz: $\pm 1,6$ mm, 25 to 100 Hz: ± 4 g