

ASIO-4015 - 6 Channel RTD Module with Modbus

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Features
6 channel RTD Inputs, types Pt, Balco, and Ni
Supports 2, 3, or 4 wire connections
16 bit resolution
Serial RS-485 interface to SoftPLC, via Modbus or ASIO-4000 TLM
Wire burn-out detection

Specifications	
Analog Input	
Channels	6 differential
Input Connections	2, 3, or 4-wire
Input Impedance	10 MΩ
Input Type	Pt, Balco and Ni RTD
Accuracy	±0.1% or better
Span Drift	±25 ppm/°C
Zero Drift	±3μV/°C
Resolution	16-bit
Sampling Rate	10 samples/second
Isolation Voltage	3,000 VDC
CMR @ 50/60Hz	120 dB
NMR @ 50/60Hz	100 dB
RTD Types and Temperature Ranges	
Pt 100 RTD	Pt -50°C to 150°C Pt 0°C to 100°C Pt 0°C to 200°C Pt 0°C to 400°C Pt -200 to 200°C IEC RTD 100 ohms (α=0.00385) JIS RTD 100 ohms (α=0.00392)
Pt 1000 RTD	Pt -40°C to 160°C
Balco 500 RTD	-30°C to 120°C
Ni 50 RTD	Ni -80°C to 100°C
Ni 508 RTD	Ni 0°C to 100°C
BA1	-200°C to 600°C
General	
Connectors	(2) plug-in terminal blocks (#14~28 AWG)
Power Consumption	1.2 W @ 24 VDC
Watchdog Timer	System (1.6 second) & Communication
Supported Protocols	ASCII command and Modbus/RTU
Power Input	Unregulated 10 ~ 30 VDC
Module Dimensions	110 x 60 x 27 mm (HxWxD)
Construction Material	Impact Resistant ABS plastic
Certifications & Compliances	UL, UL(C), CE, FCC rated, ROHS Compliant
Environment	
Humidity	5 ~ 95% RH
Temperature	Operating: -10 ~ 70°C (14 ~ 158°F) Storage: -25 ~ 85°C (-13 ~ 185°F)

