

ASIO-4015T - 6 Channel Thermistor Module with Modbus

02/17/14



Features
6 channels, Thermistor
Supports 2 or 3 wire connections
16 bit resolution
Serial RS-485 interface to SoftPLC, via Modbus or ADAM-4000 TLM
Wire burn-out detection

Specifications	
Analog Input	General
Channels	6 differential
Input Connections	2, 3-wire
Input Impedance	10 MΩ
Input Type	Thermistor
Accuracy	±0.1% or better
Span Drift	±25 ppm/°C
Zero Drift	±3 μV/°C
Thermistor Types and Temperature Ranges	Thermistor 3 k 0 ~ 100°C Thermistor 10 k 0 ~ 100°C
CMR @ 50/60 Hz	120 dB
NMR @ 50/60 Hz	100 dB
Resolution	16 bits
Sampling Rate	10 samples/second (total)
Isolation Voltage	3,000 VDC
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)