

ASIO-4018+ - 8 Channel Thermocouple Module w/ Modbus

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Features	
8 channels, independently configurable, input types: Thermocouple, mA	
16 bit resolution	
Serial RS-485 interface to SoftPLC, via Modbus or ADAM-4000 TLM	
Burn-out detection	

Specifications		
Analog Input		General
Channels	8 differential, independently configurable	Power Consumption 0.8 W @ 24 VDC
Input Impedance	Voltage: 20MΩ	Watchdog Timer System (1.6 second) & Communication
	Current: 120MΩ	
Input Type	Thermocouple, mA	Supported Protocols ASCII command and Modbus/RTU
Current Input Range	±20 mA, 4 ~ 20 mA	Power Input Unregulated 10 ~ 30 VDC
T/C Types and Temperature Ranges	J 0~760°C	Connectors (2) plug-in terminal blocks (#14~22 AWG)
	K 0~1370°C	
	T -100~400°C	
	E 0~1000°C	
	R 500~1750°C	
	S 500~1750°C	
	B 500~1800°C	
Burn-out Detection	All T/C	Module Dimensions 110 x 60 x 27 mm (HxWxD)
Accuracy	±0.2% or better	Construction Material Impact Resistant ABS plastic
Resolution	16-bit	Certifications & Compliances UL, UL(C), CE, FCC rated, ROHS Compliant
Sampling Rate	10 samples/second (total)	
Isolation Voltage	3000 VDC	
Overvoltage Protection	±35 VDC	
CMR @ 50/60 Hz	120 dB	
NMR @ 50/60 Hz	100 dB	
Span Drift	±25 ppm/°C	
Zero Drift	±6 μV/°C	
Built-in TVS/ESD Protection		
Environment		
Humidity	5 ~ 95% RH	
Temperature	Operating: -10 ~ 70°C (14 ~ 158°F)	
	Storage: -25 ~ 85°C (-13 ~ 185°F)	