

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	Supported Protocols	ASCII command and Modbus/RTU
Input Type	Thermocouple, mA	Power Input	Unregulated 10 ~ 30 VDC
Current Input Range	±20 mA, 4 ~ 20 mA	Connectors	(2) plug-in terminal blocks (#14~22 AWG)
T/C Types and Temperature Ranges	J 0~760°C	Module Dimensions	110 x 60 x 27 mm (HxWxD)
	K 0~1370°C	Construction Material	Impact Resistant ABS plastic
	T -100~400°C	Certifications & Compliances	UL, UL(C), CE, FCC rated, ROHS Compliant
	E 0~1000°C		
	R 500~1750°C		
	S 500~1750°C		
	B 500~1800°C		
Burn-out Detection	All T/C		
Accuracy	±0.2% or better	Environment	
Resolution	16-bit	Humidity	5 ~ 95% RH
Sampling Rate	10 samples/second (total)	Temperature	Operating: -10 ~ 70°C (14 ~ 158°F)
Isolation Voltage	3000 VDC		Storage: -25 ~ 85°C (-13 ~ 185°F)
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			