ASIO-4019+ - 8 Ch Universal Analog Module w/ Modbus 02/17/14

Features
8 channels independently configurable supports voltage, current, and T/C inputs
16 bit resolution
Serial RS-485 interface to SoftPLC, via Modbus or ADAM-4000 TLM
Burn-out detection

Specifications

Analog Input		
Channels	8 differential, independently configurable	
Input Impedance	Voltage: 20MΩ	
	Current: 120MΩ	
Input Type	T/C, mV, V, mA	
Voltage/Current Input Range	±1 V, ±2.5 V , ±5 V, ±10 V, ±100 mV, ±500 mV, ±20 mA, 4 ~ 20 mA	
T/C Types and Temperature Ranges	J	0~760°C
	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	4 ~ 20 mA & all T/C	
Accuracy	Voltage mode: ±0.1% or better	
	Current mode: ±0.2% or better	
Resolution	16-bit	
Sampling Rate	10 sample/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		

General	
Power Consumption	1.0 W @ 24 VDC
Watchdog Timer	System (1.6 second) & Communication
Supported Protocols	ASCII command and Modbus/RTU
Power Input	Unregulated 10 ~ 30 VDC
Connectors	(2) plug-in terminal blocks (#14~22 AWG)
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)