

ASIO-4013 - 1 Channel RTD Input Module

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Features	
1 Channel RTD input, types pt or Ni	
Supports 2, 3, or 4 wire connections	
16 bit resolution	
Serial interface, to SoftPLC using ADAM-4000 TLM	

Specifications			
Analog Input		General	
Channels	1	Power Consumption	0.7 W @ 24 V DC
Input Connections	2, 3, or 4-wire	Connectors	1 Plug-in terminal block (#14 ~ 22 AWG)
Input Impedance	2 MΩ	Power Input	Unregulated 10 ~ 30 VDC
Input Type	Pt, or Ni RTD	Watchdog Timer	System (1.6 second)
Accuracy	±0.1% or better	Supported Protocols	ASCII Command
Span Drift	±25 ppm/°C	Module Dimensions	110 x 60 x 27 mm (HxWxD)
Zero Drift	±3μV/°C	Construction Material	Impact Resistant ABS plastic
Resolution	16-bit	Certifications & Compliances	UL, UL(C), CE, FCC rated, ROHS Compliant
Sampling Rate	10 samples/second		
Isolation Voltage	3,000 DC		
CMR @ 50/60Hz	150 dB		
NMR @ 50/60 Hz	100 dB		
RTD Types and Temperature Ranges			
IEC RTD 100 ohms	Pt -100°C to +100°C a=0.00385		
	Pt 0°C to +100°C a=0.00385		
	Pt 0°C to +200°C a=0.00385		
	Pt 0°C to +600°C a=0.00385		
JIS RTD 100 ohms	Pt -100°C to +100°C a=0.003916		
	Pt 0°C to +100°C a=0.003916		
	Pt 0°C to +200°C a=0.003916		
	Pt 0°C to +600°C a=0.003916		
Ni RTD	Ni -80°C to +100°C		
	Ni 0°C to +100°C		
		Environment	
		Humidity	5 ~ 95% RH
		Temperature	Operating: -10 ~ 70°C (14 ~ 158°F)
			Storage: -25 ~ 85°C (-13 ~ 185°F)

