ASIO-4117 – Robust 8 Ch Analog Input w/ Modbus

03/04/16

Features
8 independently configurable analog channels
-40 ~ 85°C Extended Operating Temperature
16 bit resolution
Serial RS-485 interface to SoftPLC, via Modbus or ADAM-4000 TLM

Specifications

Analog Input

Channels	8 differential and independently configurable channels
Input Impedance	**Voltage:** 20 MΩ **Current:** 120 Ω
Input Type	mV, V (supports unipolar and bipolar), mA
Input Range	0 ~ 150mV, 0 ~ 500mV, 0 ~ 1V, 0 ~ 5V, 0 ~ 10V, 0 ~ 15V, ±150 mV, ±500 mV, ±1 V, ±5 V, ±10 V, ±15 V, ±20 mA, 0~20 mA, 4~20 mA
Accuracy	**Voltage mode:** ±0.1% or better **Current mode:** ±0.2% or better
Resolution	16-bit
Sampling Rate	10/100 samples/sec (selscted by utility)
CMR @ 50/60 Hz	92 dB
NMR @ 50/60 Hz	60 dB
Over Voltage Protection	±60 VDC
High Common Mode	200 VDC
Span Drift	±25 ppm/°C
Zero Drift	±6µV/°C
Buitl-in TVS/ESD Protection	

General

Connectors	(2) plug-in terminal blocks (#14 ~ 22 AWG)
Watchdog Timer	System (1.6 second) & Communication
Supported Protocols	ASCII Command and Modbus/RTU
Power Consumption	1.2 W @ 24 VDC
Power Input	Unregulated 10 ~ 48 VDC w/power reversal protection
Isolation Voltage	3,000 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:** -40 ~ 85°C (-40 ~ 185°F)
	Storage: -40 ~ 85°C (-40 ~ 185°F)
Supports Noise Rejection	

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ASIO-4117 Specification Sheet