

ASIO-TAD5 – 5 Ch Voltage Analog Input Module, MODbus



Features	
•	5 Channel Differential Analog Inputs, Voltage
•	Modbus RTU & ASCII
•	Independently Configurable Channels

Specifications

Analog Input		Communication	
Channels	5 Differential	Channels	RS-485
Type	Voltage $\pm 1V$, $\pm 2.5V$, $\pm 5V$, $\pm 10V$	Baud Rate	1200 ~ 115,200bps
Resolution	Normal Mode 14-bit	Protocol	Modbus RTU & ASCII
	Fast Mode 12-bit	Dual Watchdog	2.3 Seconds, Communication (Programmable)
Sampling Rate	Normal Mode 10 Hz Total		EMS Protection
	Fast Mode 200 Hz Total	ESD (IEC 61000-4-2)	$\pm 4kV$ Contact/Terminal
Accuracy	Normal Mode $\pm 0.1\%$		$\pm 8kV$ Random Point
	Fast Mode $\pm 0.5\%$	EFT (IEC 61000-4-4)	$\pm 4kV$ Power
Zero Drift	$\pm 20\mu V/^\circ C$		Power
Span Drift	$\pm 25ppm/^\circ C$	Polarity Protection	Yes, Reverse
Input Impedance	20 M Ω	Input Range	10 ~ 30VDC
Protection	Over Voltage 120VDC	Consumption	1 W Max.
		Isolation	
		Intra-module Isolation	Field-to-logic 2500VDC
		Mechanical	
		Dimensions (W x L x H)	52mm x 98mm x 27mm
		Mounting	DIN-Rail
		Connectors	Terminal Block
		LED Indicator	Power
		Environment	
		Operating Temperature	-25 $^\circ C$ ~ +75 $^\circ C$
		Storage Temperature	-30 $^\circ C$ ~ +75 $^\circ C$
		Relative Humidity	10 ~ 95% Non-condensing