

# ASIO-TAD5C – 5 Ch Current Analog Input Module, Modbus



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

## Specifications

Analog Input		Communication	
<b>Channels</b>	5 Differential	<b>Channels</b>	RS-485
<b>Type</b>	Current +/- 20mA, 0 ~ 20mA, 4 ~ 20mA	<b>Baud Rate</b>	1200 ~ 115,200bps
<b>Resolution</b>	Normal Mode 14-bit	<b>Protocol</b>	Modbus RTU & ASCII
	Fast Mode 12-bit	<b>Dual Watchdog</b>	2.3 Seconds, Communication (Programmable)
<b>Sampling Rate</b>	Normal Mode 10 Hz Total		EMS Protection
	Fast Mode 200 Hz Total	<b>ESD (IEC 61000-4-2)</b>	+4kV Contact/Terminal
<b>Accuracy</b>	Normal Mode $\pm 0.1\%$		+8kV Random Point
	Fast Mode $\pm 0.5\%$	<b>EFT (IEC 61000-4-4)</b>	+4kV Power
<b>Zero Drift</b>	$\pm 20\mu V/^{\circ}C$		Power
<b>Span Drift</b>	$\pm 25\text{ppm}/^{\circ}C$	<b>Polarity Protection</b>	Yes, Reverse
<b>Input Impedance</b>	20 M $\Omega$	<b>Input Range</b>	10 ~ 30VDC
<b>Protection</b>	Over Voltage 120VDC	<b>Consumption</b>	1 W Max.
		Isolation	
		<b>Intra-module Isolation</b>	Field-to-logic 2500VDC
		Mechanical	
		<b>Dimensions (W x L x H)</b>	52mm x 98mm x 27mm
		<b>Mounting</b>	DIN-Rail
		<b>Connectors</b>	Terminal Block
		<b>LED Indicator</b>	Power
		Environment	
		<b>Operating Temperature</b>	-25 $^{\circ}C$ ~ +75 $^{\circ}C$
		<b>Storage Temperature</b>	-30 $^{\circ}C$ ~ +75 $^{\circ}C$
		<b>Relative Humidity</b>	10 ~ 95% Non-condensing