ADAM-5013 ADAM-5017 **ADAM-5017P**

3-ch RTD Input Module

8-ch Analog Input Module

8-ch Analog Input Module with **Independent Input Range**



Specifications

G

G	eneral						
	Certification		CE				
•	Conne	ctors		1 x Plug-in s	screw terminal		
				(# 14 ~ 22 A	WG)		
•	Enclos	sure		ABS+PC			
	Power	Consum	otion	1.1 W (max.))		
К	RTD Input						
•				±0.1% or better			
•	 Bandwidth 			13.1 Hz @ 50 Hz			
				15.72 Hz @	60 Hz		
•	Channels			3			
•	CMR @ 50/60 Hz			150 dB			
•	Input Connections			2, 3 or 4 wire			
•	Input Impedance			2 MΩ			
•	Input Type			PT100 or Ni RTD			
•	NMR @ 50/60 Hz			100 dB			
•	Resolution			16-bit			
•	RTD Types and Temperature Ranges						
		TD 100 oh	ms				
	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 1 D 100 oh	to	+600°C	a=0.00385		
	Pt	-100°C	to	+100°C	a=0.00392		
	Pt	0°C	to	+100°C	a=0.00392		
	Pt	0°C	to	+200°C	a=0.00392		
	Pt	0°C	to	+600°C	a=0.00392		
	Ni RTI	D					
	Ni	-80°C	to	+100°C			
	Ni	0°C	to	+100°C			
•	Sampling Rate			10 samples/sec. (total)			
•	 Span Drift 			±0.01°C/°C			
•	Zero D	Drift		±0.015°C/°C	5		
Protection							
				3000 V _{DC}			
		ug	-	0000 • DC			

ADAM-5017

Specifications

General

- Certification
- Enclosure

- Bandwidth
- Channels
- CMR @ 50/60 Hz
- Input Impedance
- Input Range
- Resolution
- Sampling Rate
- .

Isolation Voltage Fault and Overvoltage

Note: The voltage difference between any two pins must not exceed ±15 V

Ordering Information

ADAM-5017 8-ch Analog Input Module



Specifications

General	
 Certification 	CE, FCC Class A
 Connectors 	1 x Plug-in terminal block
	(#14 ~ 22 AWG)
 Enclosure 	ABS+PC
 Power Consumption 	1.25 W (max.)
Analog Input	
 Accuracy 	Voltage mode : ±0.1% or
	better Current mode : +0.2% or
	better
Channels	8 (differential, each channe
- Unanneis	can be configured with
	different range)
CMR @ 50/60 Hz	92 dB min.
Input Impedance	Voltage: 800K Ω
	Current: 120 Ω (Build-in
	120 Ω . resistor for Current
	Input)
	for Current Input)
Input Range	0 ~ 150 mV, 0 ~ 500 mV, 0 ~ 1 V, 0 ~ 5 V, 0 ~ 10
	V, 0 ~ 15 V, ±150 mV, ±500
	mV, ±1 V, ±5 V, ±10 V,
	±15 V, ±20 mA,
	4 ~ 20 mA
 Resolution 	16-bit
 Sampling Rate 	10 samples/sec. (total)
 Span Drift 	±25 ppm/°C
 Zero Drift 	±6 μV/°C
 High Common Mode 	200 Vnc

Protection

- Over Voltage Protection
- Built-in TVS/ESD Protection
- Isolation Voltage 3,000 VDC

Note: Does not support ADAM-5510KW series

Ordering Information

ADAM-5017P

8-ch Analog Input Module w/ Ind. Input Range

ADAM-5013

3-ch RTD Input Module

Ordering Information

Online Download www.advantech.com/products

All product specifications are subject to change without notice

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16-bit 10 samples/sec. (total) +25 PPM/°C Span Drift Zero Drift ±6 µV/°C

Protection

Protection

3,000 VDC Withstands overvoltage up to ±35 V

Voltage mode: ±0.1% or

Current mode: ±0.2% or

120 Ω resistor for Current

±150 mV, ±500 mV, ±1 V,

±5 V, ±10 V; ±20 mA

13.1 Hz @ 50 Hz

15.72 Hz @ 60 Hz

8 differential

Voltage: 2 M Ω Current: 120 (Build-in

92 dB min.

input)

CE. FM Connectors 1 x Plug-in screw terminal (# 14 ~ 22 AWG) ABS+PC

better

better

Power Consumption 1.25 W (max.)

Analog Input Accuracy