

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



ADAM-5013



CE FCC



ADAM-5017



CE FCC FM APPROVED



ADAM-5017P



CE FCC

Specifications

General

- Certification CE
- Connectors 1 x Plug-in screw terminal (# 14 ~ 22 AWG)
- Enclosure ABS+PC
- Power Consumption 1.1 W (max.)

RTD Input

- Accuracy $\pm 0.1\%$ 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 M Ω
- Input Type PT100 or Ni RTD
- NMR @ 50/60 Hz 100 dB
- Resolution 16-bit
- 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=0.00392
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 RTD

Ni	-80°C	to	+100°C
Ni	0°C	to	+100°C

- Sampling Rate 10 samples/sec. (total)
- Span Drift $\pm 0.01^\circ\text{C}/^\circ\text{C}$
- Zero Drift $\pm 0.015^\circ\text{C}/^\circ\text{C}$

Protection

- Isolation Voltage 3000 V_{DC}

Ordering Information

- ADAM-5013

3-ch RTD Input Module

Specifications

General

- Certification CE, FM
- Connectors 1 x Plug-in screw terminal (# 14 ~ 22 AWG)
- Enclosure ABS+PC
- Power Consumption 1.25 W (max.)

Analog Input

- Accuracy Voltage mode: $\pm 0.1\%$ or better
Current mode: $\pm 0.2\%$ or better
- Bandwidth 13.1 Hz @ 50 Hz
15.72 Hz @ 60 Hz
- Channels 8 differential
- CMR @ 50/60 Hz 92 dB min.
- Input Impedance Voltage: 2 M Ω
Current: 120 Ω (Build-in 120 Ω resistor for Current input)
- Input Range $\pm 150\text{ mV}$, $\pm 500\text{ mV}$, $\pm 1\text{ V}$, $\pm 5\text{ V}$, $\pm 10\text{ V}$; $\pm 20\text{ mA}$
- Resolution 16-bit
- Sampling Rate 10 samples/sec. (total)
- Span Drift $\pm 25\text{ PPM}/^\circ\text{C}$
- Zero Drift $\pm 6\text{ }\mu\text{V}/^\circ\text{C}$

Protection

- Isolation Voltage 3,000 V_{DC}
- Fault and Overvoltage Protection Withstands overvoltage up to $\pm 35\text{ V}$

Note: The voltage difference between any two pins must not exceed $\pm 15\text{ V}$

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 : $\pm 0.1\%$ or better
Current mode : $\pm 0.2\%$ or better
- Channels 8 (differential, each channel 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, V, 0 ~ 15 V, $\pm 150\text{ mV}$, $\pm 500\text{ mV}$, $\pm 1\text{ V}$, $\pm 5\text{ V}$, $\pm 10\text{ V}$, $\pm 15\text{ V}$, $\pm 20\text{ mA}$, 4 ~ 20 mA
- Resolution 16-bit
- Sampling Rate 10 samples/sec. (total)
- Span Drift $\pm 25\text{ ppm}/^\circ\text{C}$
- Zero Drift $\pm 6\text{ }\mu\text{V}/^\circ\text{C}$
- High Common Mode 200 V_{DC}

Protection

- Over Voltage Protection
- Built-in TVS/ESD Protection
- Isolation Voltage 3,000 V_{DC}

Note: Does not support ADAM-5510KW series

Ordering Information

- ADAM-5017P

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