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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



ADAM-5017



ADAM-5017P

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** ±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**

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** ±0.01°C/°C
- **Zero Drift** ±0.015°C/°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: ±0.1% or better
  Current mode: ±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 MΩ
  Current: 120Ω (Build-in 120 Ω resistor for Current input)
- **Input Range** ±150 mV, ±500 mV, ±1 V, ±5 V, ±10 V; ±20 mA
- **Resolution** 16-bit
- **Sampling Rate** 10 samples/sec. (total)
- **Span Drift** ±25 PPM/°C
- **Zero Drift** ±6 μV/°C

Protection

- **Isolation Voltage** 3,000 V_{DC}
- **Fault and Overvoltage Protection** Withstands overvoltage up to ±35 V

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 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, 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 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

All product specifications are subject to change without notice
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