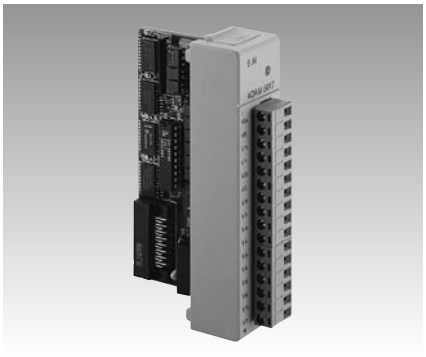
ADAM-5013
ADAM-5017
ADAM-5017H

3-channel RTD Input Module

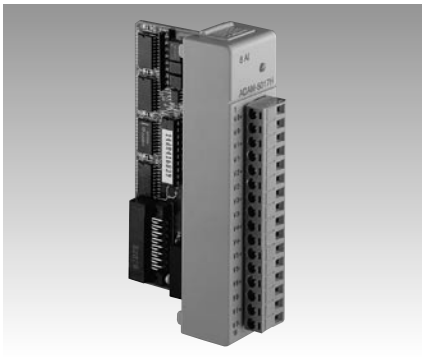
8-channel Analog Input Module

8-channel High-Speed Analog Input Module

ADAM-5013



ADAM-5017



ADAM-5017H

Specifications

- **Channels** 3
- **Effective Resolution** 16-bit
- **Input Type** PT100 or Ni RTD
- **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

- **Isolation Voltage** 3000 V_{DC}
- **Sampling Rate** 10 samples/sec. (total)
- **Input Impedance** 2 MΩ
- **Bandwidth** 13.1 Hz @ 50 Hz, 15.72 Hz @ 60 Hz
- **Input Connections** 2, 3 or 4 wire
- **Accuracy** ±0.1% or better
- **Zero Drift** ±0.015° C/° C
- **Span Drift** ±0.01° C/° C
- **CMR @ 50/60 Hz** 150 dB
- **NMR @ 50/60 Hz** 100 dB
- **Power Consumption** 0.85 W (typical); 1.1 W (max.)

Ordering Information

- **ADAM-5013-A1** 3-channel RTD Input Module

Specifications

- **Channels** 8 differential
- **Effective Resolution** 16-bit
- **Input Type** mV, V, mA
- **Input Range** ±150 mV, ±500 mV, ±1 V, ±5 V, ±10 V; ±20 mA
- **Isolation Voltage** 3000 V_{DC}
- **Fault and Overvoltage Protection** Withstands overvoltage up to ±35 V
- **Sampling Rate** 10 samples/sec. (total)
- **Input Impedance** 2 MΩ
- **Bandwidth** 13.1 Hz @ 50 Hz, 15.72 Hz @ 60 Hz
- **Accuracy** ±0.1% or better
- **Zero Drift** ±1.5 mV/° C
- **Span Drift** ±25 PPM/° C
- **CMR @ 50/60 Hz** 92 dB min.
- **Power Consumption** 1 W (typical); 1.25 W (max.)
- **Analog Signal Range** ±15 V max.

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

Ordering Information

- **ADAM-5017** 8-channel Analog Input Module - mV, V, mA

Specifications

- **Channels** 8 differential
- **Effective Resolution** 12-bit plus sign bit
- **Input Type** mV, V, mA
- **Input Range** ±250 mV, ±500 mV, ±1 V, ±5 V, ±10 V, 0 ~ +500 mV, 0 ~ +1 V, 0 ~ +5 V, 0 ~ +10 V, 0 ~ 20 mA, 4 ~ 20 mA
- **Isolation Voltage** 3000 V_{DC}
- **Sampling Rate** Depends on base unit

ADAM-5000/485 & 5000E: 100 samples/sec
ADAM-5510:
8000 samples/sec max.: one ADAM-5017H installed
ADAM-5510KW: Up to 100 samples/sec
ADAM-5511: Up to 100 samples/sec
ADAM-5000/TCP:
1000 samples/sec max.: depending on the performance of client server or controller

- **Input Impedance** 20 MΩ (voltage inputs) 125 Ω (current inputs)
- **Bandwidth** 1 kHz
- **Signal Input Bandwidth** 1 kHz for both voltage and current inputs
- **Accuracy** ±0.1% or better
- **CMR @ 50/60 Hz** 92 dB min
- **Power Consumption** 1.75 W (typical); 2.2 W (max)
- **Distinct Range Settings Allowed on Each Channel**

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

Ordering Information

- **ADAM-5017H** 8-channel High-Speed Analog Input Module - mV, V, mA

Last updated : January 2005