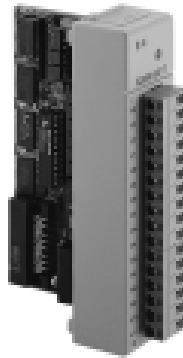
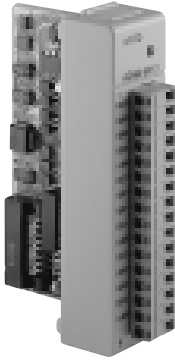


**ADAM-5013**    **3-Channel RTD Input Module**  
**ADAM-5017**    **8-Channel Analog Input Module**  
**ADAM-5017H**    **8-Channel High Speed Analog Input Module**



**ADAM-5013**  
**3-Channel RTD Input Module**

- Channels: 3
- Effective resolution: 16-bit
- Input type: Pt or Ni RTD
- RTD types and temperature ranges
 

Pt	-100°C	to	+100°C	$\alpha=0.00385$
Pt	0°C	to	+100°C	$\alpha=0.00385$
Pt	0°C	to	+200°C	$\alpha=0.00385$
Pt	0°C	to	+600°C	$\alpha=0.00385$
Pt	-100°C	to	+100°C	$\alpha=0.00392$
Pt	0°C	to	+100°C	$\alpha=0.00392$
Pt	0°C	to	+200°C	$\alpha=0.00392$
Pt	0°C	to	+600°C	$\alpha=0.00392$
Ni	-80°C	to	+100°C	
Ni	0°C	to	+100°C	
- Isolation voltage: 3000 V<sub>DC</sub>
- Sampling rate: 10 samples/sec. (total)
- Input Impedance: 2 M $\Omega$
- Bandwidth: 13.1 Hz @ 50 Hz, 15.72 Hz @ 60 Hz
- Input connections: 2, 3 or 4 wire
- Accuracy:  $\pm 0.1\%$  or better
- Zero drift:  $\pm 0.015^\circ\text{C}/^\circ\text{C}$
- Span drift:  $\pm 0.01^\circ\text{C}/^\circ\text{C}$
- CMR @ 50/60 Hz: 150 dB
- NMR @ 50/60 Hz: 100 dB
- Power consumption: 1.2 W

**ADAM-5017**  
**8-Channel Analog Input Module**

- Channels: 8 differential
- Effective resolution: 16-bit
- Input type: mV, V, mA
- Input range:  $\pm 150$  mV,  $\pm 500$  mV,  $\pm 1$  V,  $\pm 5$  V,  $\pm 10$  V;  $\pm 20$  mA
- Isolation voltage: 3000 V<sub>DC</sub>
- Fault and overvoltage protection: withstands overvoltage up to  $\pm 35$  V
- Sampling rate: 10 samples/sec. (total)
- Input Impedance: 2 M $\Omega$
- Bandwidth: 13.1 Hz @ 50 Hz, 15.72 Hz @ 60 Hz
- Accuracy:  $\pm 0.1\%$  or better
- Zero drift:  $\pm 1.5 \mu\text{V}/^\circ\text{C}$
- Span drift:  $\pm 25$  PPM/ $^\circ\text{C}$
- CMR @ 50/60 Hz: 92 dB min.
- Power consumption: 1.2 W
- Analog Signal Range:  $\pm 15$  V max.

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

**ADAM-5017H**  
**8-Channel High Speed Analog Input Module**

- Channels: 8 differential
- Effective resolution: 12-bit plus sign bit
- Input type: mV, V, mA
- Input Range:  $\pm 250$  mV,  $\pm 500$  mV,  $\pm 1$  V,  $\pm 5$  V,  $\pm 10$  V, 0 ~  $\pm 250$  mV, 0 ~  $\pm 500$  mV, 0 ~  $\pm 1$  V, 0 ~  $\pm 5$  V, 0 ~  $\pm 10$  V, 0 ~ 20 mA, 4 ~ 20 mA
- Isolation voltage: 3000 V<sub>DC</sub>
- Sampling rate: various according to base unit.
  - ADAM-5000/485- 1000 samples/sec: one ADAM-5017H installed, 2's complement format
  - 600 samples/sec: one ADAM-5017H installed, engineering format
  - ADAM-5510- 8000 samples/sec max: one ADAM-5017H installed
- Input impedance: 20 M $\Omega$  (voltage inputs) 125  $\Omega$  (current inputs)
- Bandwidth: 1000 Hz
- Signal input bandwidth: 1 kHz for both voltage and current inputs
- Accuracy:  $\pm 0.1\%$  or better
- CMR @ 50/60 Hz: 92 dB min.
- Power consumption: 1.8 W
- Distinct range settings allowed on each channel

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