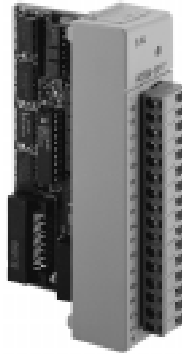
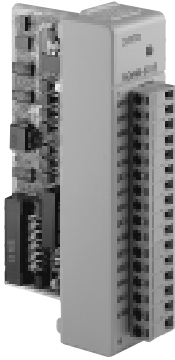


**ADAM-5013** 3-channel RTD Input Module  
**ADAM-5017** 8-channel Analog Input Module  
**ADAM-5017H** 8-channel High Speed Analog Input Module



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

- Channels: 3
- Effective resolution: 16-bit
- Input type: PT100 or Ni RTD
- RTD types and temperature ranges  
 IEC RTD 100 ohms  
 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  $\alpha=0.00385$   
 JIS RTD 100 ohms  
 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 RTD  
 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: 0.85 W (typical);  
 1.1 W (max)

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

- Channels: 8 differential
- Effective resolution: 16-bit
- Input type: mV, V, mA
- Input range:  
 $\pm 150 \text{ mV}$ ,  $\pm 500 \text{ mV}$ ,  $\pm 1 \text{ V}$ ,  $\pm 5 \text{ V}$ ,  
 $\pm 10 \text{ V}$ ;  $\pm 20 \text{ mA}$
- Isolation voltage: 3000 V<sub>DC</sub>
- Fault and overvoltage protection:  
 withstands overvoltage up to  $\pm 35 \text{ V}$
- 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:  $\pm 1.5 \text{ mV} / ^\circ \text{C}$
- Span drift:  $\pm 25 \text{ PPM} / ^\circ \text{C}$
- CMR @ 50/60 Hz: 92 dB min.
- Power consumption: 1 W (typical);  
 1.25 W (max)
- Analog Signal Range:  $\pm 15 \text{ V}$  max.

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

**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:  $\pm 250 \text{ mV}$ ,  $\pm 500 \text{ mV}$ ,  
 $\pm 1 \text{ V}$ ,  $\pm 5 \text{ V}$ ,  $\pm 10 \text{ V}$ , 0 ~ +250 mV,  
 0 ~ +500 mV, 0 ~ +1 V, 0 ~ +5 V,  
 0 ~ +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&5000/MOD&5000E**  
 1000 samples/sec: one ADAM-5017H installed, 2's complement format  
 600 samples/sec: one ADAM-5017H installed, engineering format  
**ADAM-5510 & ADAM-5511**  
 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: 1.75 W (typical);  
 2.2 W (max)
- Distinct range settings allowed on each channel

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