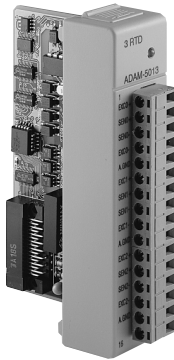


**ADAM-5013**  
**ADAM-5017**  
**ADAM-5017H**

**3-channel RTD Input Module**  
**8-channel Analog Input Module**  
**8-channel High Speed Analog Input Module**



**ADAM-5013**  
**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 ~  $+250 \text{ mV}$ , 0 ~  $+500 \text{ mV}$ , 0 ~  $+1 \text{ V}$ , 0 ~  $+5 \text{ V}$ , 0 ~  $+10 \text{ V}$ , 0 ~ 20 mA, 4 ~ 20 mA
  - **Isolation voltage:** 3000 V<sub>DC</sub>
  - **Sampling rate:** various according to base unit  
**ADAM-5000/485&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  $\pm 15 \text{ V}$ .