

ADAM-6015
ADAM-6017
ADAM-6018

6-channel RTD Module
8-channel Analog Input w/DO Module
8-channel Analog Input w/DO Module



ADAM-6015
6-channel RTD Module

- **Channels:** 6 differential
- **Effective resolution:** 16-bit
- **Input type:** Pt, Balco and Ni RTD
- **RTD types and temperature ranges:**
 - PT-100 RTD
 - Pt-50° C to 150° C
 - Pt 0° C to 100° C
 - Pt 0° C to 200° C
 - Pt 0° C to 400° C
 - Pt-200° C to 200° C
 - IEC RTD 100 ohms.= 0.00385)
 - JIS RTD 100 ohms.= 0.00392)
 - Pt 1000 RTD
 - Pt -40° C to 160° C
 - Balco 500 RTD
 - 30° C to 120° C
 - Ni 50 RTD
 - Ni -80° C to 100° C
 - Ni 508 RTD
 - Ni 0° C to 100° C
- **Isolation voltage:** 3000V_{DC}
- **Sampling rate:** 12 samples / sec.
- **Input impedance:** 10 W
- **Input connections:** 2 or 3 wire
- **Accuracy:** ± 0.05 % or better
- **Zero drift:** ± 3 μV/° C
- **Span drift:** ± 25 ppm/° C
- **CMR @ 50/60 Hz:** 150 dB
- **NMR @ 50/60 Hz:** 100 dB
- **Built-in Watchdog Timer**
- **Individual wire burn-out detect**
- **Power requirements:**
 - Unregulated +10 ~ +30 V_{DC}
- **Power consumption:** 2 W

ADAM-6017
8-channel Analog
Input w/DO Module

Analog Input

- **Effective resolution:** 16-bit
- **Channels:** 8 differential
- **Input type:** mV, V, mA
- **Input range:** ±150 mV, ±500 mV, 0-5 V, ±10 V, 0-20 mA, 4-20 mA
- **Isolation voltage:** 3000 V_{DC}
- **Fault and overvoltage protection:**
 - Withstands overvoltage up to ±35 V
- **Sampling rate:** 16 samples/sec.
- **Input impedance:** 20 W
- **Bandwidth:** 13.1 Hz @ 50 Hz, 15.72 Hz @ 60 Hz
- **Accuracy:** ±0.1% or better
- **Zero drift:** ±6 μV/° C
- **Span drift:** ±25 ppm/° C
- **CMR @ 50/60 Hz:** 92 dB min.

Digital Output

- **Channel:** 2
 - Open Collector to 30 V
 - 200 mA max. load
- **Optical Isolation:** 5000VRMS
 - Built-in Watchdog Timer

Power

- **Power requirements:**
 - Unregulated +10 ~ +30 V_{DC}
- **Power consumption:** 2 W

ADAM-6018
8-channel Analog
Input w/DO Module

Analog Input

- **Effective resolution:** 16-bit
- **Channels:** 8 differential
- **Input type:** Thermocouple
- **Thermocouple type and Thermocouple range:**

J	0	~	760° C
K	0	~	1370° C
T	-100	~	400° C
E	0	~	1000° C
R	500	~	1750° C
S	500	~	1750° C
B	500	~	1800° C
- **Isolation voltage:** 3000 V_{DC}
- **Fault and overvoltage protection:**
 - Withstands overvoltage up to ±35 V
- **Sampling rate:** 16 samples/sec.
- **Input impedance:** 20 W
- **Bandwidth:** 13.1 Hz @ 50 Hz, 15.72 Hz @ 60 Hz

Digital Output

- **Accuracy:** ±0.1% or better
- **Zero drift:** ±6 μV/° C
- **Span drift:** ±25 ppm/° C
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Digital Output

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 - Open Collector to 30 V
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Power

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- **Power consumption:** 2 W