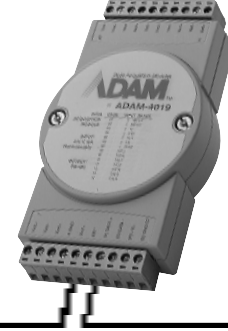


ADAM-4018/4018+ 8-Channel Thermocouple Input Module

ADAM-4018M 8-Channel Analog Input Data Logger

ADAM-4019 8-Channel Universal Analog Input Module



ADAM-4018/4018+ 8-Channel Thermocouple Input Module

Analog Input

- **Effective resolution:** 16-bit
- **Channels:**
Six differential, two single-ended(4018)
Eight differential (4018+)
- **Input type:** Thermocouple, mV, V, mA(4018)
Thermocouple(4018+)
- **Input range:** ± 15 mV, ± 50 mV, ± 100 mV,
 ± 500 mV, ± 1 V, ± 2.5 V, ± 20 mA
- **T/C type and temperature 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:**
Resists overvoltage up to ± 35 V
- **Sampling rate:** 10 samples/sec. (total)
- **Input impedance:** 20 M Ω
- **Bandwidth:** 13.1 Hz @ 50 Hz,
15.72 Hz @ 60 Hz
- **Accuracy:** $\pm 0.1\%$ for voltage input
- **Zero drift:** ± 3 μ V/ $^{\circ}$ C
- **Span drift:** ± 25 ppm/ $^{\circ}$ C
- **CMR @ 50/60 Hz:** 92 dB min.

Built-in Watchdog Timer Individual wire burned-out detection

Power

- **Power requirements:**
Unregulated +10 ~ +30 V_{DC}
- **Power consumption:** 0.8 W

ADAM-4018M 8-Channel Analog Input Data Logger

Analog Input

- **Effective resolution:** 16-bit
- **Channels:**
Six differential, two single-ended
- **Input type:** Thermocouple, mV, V, mA
- **Input range:** ± 15 mV, ± 50 mV, ± 100 mV,
 ± 500 mV, ± 1 V, ± 2.5 V, ± 20 mA
- **T/C type and temperature 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}
- **Sampling rate:** 10 samples/sec. (total)
- **Input impedance:** 1.8 M Ω
- **Bandwidth:** 13.1 Hz @ 50 Hz,
15.72 Hz @ 60 Hz
- **Accuracy:** $\pm 0.1\%$ for voltage input
- **Zero drift:** ± 3 μ V/ $^{\circ}$ C
- **Span drift:** ± 25 ppm/ $^{\circ}$ C
- **CMR @ 50/60 Hz:** 92 dB min.

Storage

- **Capacity (128KB Flash memory):** 38,000
samples (total)
- **Storage mode:** Write to end of memory &
cyclic
- **Logging mode:** Internal log or event log
(high/low)
- **Sampling interval:** 2 secs. ~ 18 hours

Built-in Watchdog Timer

Power

- **Power requirements:**
Unregulated +10 ~ +30 V_{DC}
- **Power consumption:** 1.8 W

ADAM-4019 8-Channel Universal Analog Input Module

Analog Output

- **Effective resolution:** 16-bit
- **Channels:** 8 differential channels for
individual input type
- **Input type:** Thermocouple, mV, V, mA
- **Input range:** ± 100 mV, ± 500 mV, ± 1 V,
 ± 2.5 V, ± 5 V, ± 10 V, ± 20 mA
- **T/C type and temperature 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:**
Resists overvoltage up to ± 35 V
- **Input Impedance:** 20 M Ω
- **Bandwidth:** 13.1 Hz @ 50 Hz,
15.72 Hz @ 60 Hz
- **Accuracy:** $\pm 0.1\%$ of voltage input
- **Zero drift:** ± 30 μ V/ $^{\circ}$ C
- **Span drift:** ± 25 ppm/ $^{\circ}$ C
- **CMR @ 50/60 Hz:** 92 dB min.

Built-in Watchdog Timer

Power

- **Power requirements:**
Unregulated +10 ~ +30 V_{DC}
- **Power consumption:** 1.2 W

WebLink
WebOIT 1

IPPC &
AWS 2

TPC 3

FPM 4

IPC 5

INET 6

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