

ADAM-5018

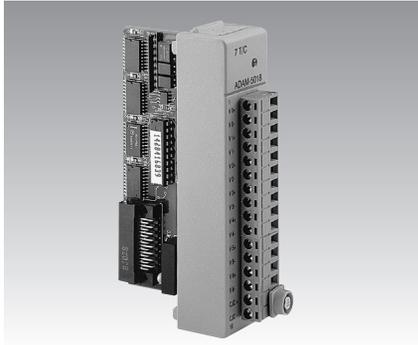
ADAM-5024

ADAM-5050

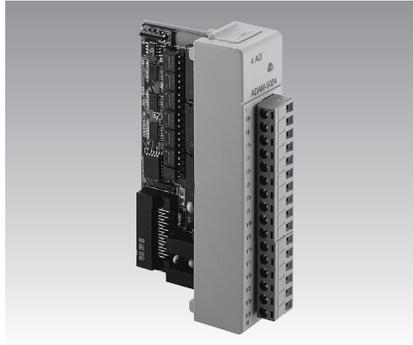
7-channel Thermocouple Input Module

4-channel Analog Output Module

16-channel Universal Digital I/O Module



ADAM-5018



ADAM-5024



ADAM-5050



Specifications

- **Channels** 7 differential
- **Effective Resolution** 16-bit
- **Input Type** mV, V, mA, thermocouple
- **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** Withstands overvoltage Up to ±35 V
- **Sampling Rate** 10 samples/sec. (total)
- **Input Impedance** 2 MΩ
- **Bandwidth** 13.1 Hz @ 50 Hz, 15.72 Hz @ 60 Hz
- **Accuracy** ±0.1% or better
- **Zero Drift** ±0.3 mV/° C
- **Span Drift** ±25 PPM/° C
- **CMR @ 50/60 Hz** 92 dB min
- **Power Consumption** 0.5 W (typical); 0.63 W (max.)

Specifications

- **Channels** 4
- **Effective Resolution** 12-bit
- **Output Type** mA, V
- **Output Range** 0 ~ 20 mA, 4 ~ 20 mA, 0 ~ 10 V
- **Isolation Voltage** 3000 V_{DC}
- **Accuracy** ±0.1% of FSR for current output
±0.2% of FSR for voltage output
- **Resolution** ±0.015% of FSR
- **Zero Drift** Voltage output: ±30 mV/° C
Current output: ±0.2 mA/° C
- **Span Temperature Coefficient** ±25 PPM/° C
- **Programmable Output Slope** 0.125 ~ 128.0 mA/sec.;
- 0.0625 ~ 64.0 V/sec.
- **Current Load Resistor** 0 ~ 500 Ω (source)
- **Power Consumption** 1.4 W (typical); 2.9 W (max.)

Specifications

- **Channels** 16
- **I/O Type** Bit-wise selectable by DIP switch
- **Digital Input** Dry Contact: Logic level 0: close to GND
Logic level 1: open
Wet Contact: Logic level 0: +2 V max.
Logic level 1: +4 V to +30 V
- **Digital Output** Open collector to 30 V, 100 mA and 450 mW max. load
- **Power Consumption** 0.35 W (typical); 1.2 W (max.)

Ordering Information

- **ADAM-5018** 7-channel Thermocouple Input Module - mV, V, mA, thermocouple

Ordering Information

- **ADAM-5024** 4-channel Analog Output Module - mA, V

Ordering Information

- **ADAM-5050** 16-channel Universal Digital Input/Output Module