ADAM-5017UH ADAM-5018 **ADAM-5018P**

8-ch Ultra High Speed Analog Input

7-ch Thermocouple Input Module 7-ch Thermocouple Input Module with Independent Input Range







Self-service Terminals

Specifications

General

Certifications

Connectors 1 x Plug-in screw terminal (# 14 ~ 22 AWG)

ÀBS+PC Enclosure **Power Consumption** 2.2 W (max.)

Analog Input

Accuracy ±0.1% or better Bandwidth 200 kHz Channels 8 differential Differential Non-linear ±1 LSB

Input Impedance Voltage: 2 M Ω Current: 120 Ω

(Build-in 12 Ω . register for Current Input) ±1 LSB

 Integral Non-linear Input Range

 $\pm 10 \text{ V}, +0 \sim 10 \text{ V},$ $0 \sim 20 \text{ mA}, +4 \sim 20 \text{ mA}$ Low pass filter Configured by User

Resolution Sampling Rate Depends on base unit

ADAM-5000/485 & 5000E: 100 Samples/sec max (Total): one ADAM-5017UH

installed ADAM-5000/TCP:

100 Samples/sec max (Total) :one ADAM-5017UH installed

ADAM-5510

200K Samples/sec max (Single Channel): one ADAM-5017UH installed

ADAM-5550 :

1K Samples/sec per channel: one ADAM-5017UH installed

*Depending on the performance of client server or controller

Signal Input 200 kHz for both voltage Bandwidth and current inputs

Protection

 Isolation Voltage 3,000 V_{DC} Note:

1) The voltage difference between any two pins must not exceed 15 V

2) Distinct range settings allowed on each channel Note: Not support ADAM-5510KW series

Ordering Information

ADAM-5017UH

8-ch Ultra High Speed Analog Input Module

Specifications

General

Certifications CE. FM

Connectors 1 x Plug-in screw terminal (# 14 ~ 22 AWG)

Enclosure ABS+PC

Power Consumption 0.63 W (max.)

Thermocouple Input

Accuracy ±0.1% or better Bandwidth 13.1 Hz @ 50 Hz 15.72 Hz @ 60 Hz Channels 7 differential

CMR @ 50/60 Hz 92 dB min Input Impedance $2 M\Omega$

Input Range ±15 mV, ±50 mV, ±100 mV, ±500 mV,

 ± 1 V, ± 2.5 V, ± 20 mA

Input Type mV, V, mA, thermocouple

Resolution 16-bit

Sampling Rate 10 samples/sec. (total) Span Drift ±25 PPM/° C

Zero Drift ±6 µV/° C

T/C Type and Temperature Range

J	0°	~	760° C
K	0°	~	1,370° C
T	-100°	~	400° C
E	0°	~	1,000° C
R	500°	~	1,750° C
S	500°	~	1,750° C
В	500°	~	1,800° C

Protection

Fault and Withstands overvoltage up Overvoltage to ±35 V Protection

 Isolation Voltage 3,000 V_{DC}

Ordering Information

ADAM-5018 7-ch Thermocouple Input Module

 ADAM-5018SK CJC Kit for ADAM-5018

Specifications

General

Certifications CE, FCC class A Connectors 1 x Plug-in screw terminal (# 14 ~ 22 AWG) ÀBS+PC Fnclosure Power Consumption 0.63 W (max.)

Thermocouple Input

Accuracy Voltage mode: ±0.1% or hetter Current mode: ±0.2% or better

Bandwidth 13.1 Hz @ 50 Hz 15.72 Hz @ 60 Hz

7 (differential, each channel Channels can be configured with different range) CMR @ 50/60 Hz 92 dB min

20 M Ω . (Build-in 120 Ω Input Impedance

Register for Current Input)

Input Range and Types

Thermoc	ouple		
J	. 0	~	760° C
K	0	~	1,370° C
T	-100	~	400° C
E	0	~	1,000° C
R	500	~	1,750° C
S	500	~	1,750° C
В	500	~	1,800° C
Current		±20 mA, 4 ~ 20 mA	
Voltage		±15 mV (0.2%), ±50 mV,	
		±100 mV, ±5	00 mV
		±1 V, ±2.5 V	
Deschutten		10 hit	

Resolution

Sampling Rate 10 samples/sec. (total)

±25 PPM/°C Span Drift +6 uV/°C Zero Drift

High Common Mode $200 \, V_{DC}$

Protection

Fault and Withstands overvoltage up to ±35 V Overvoltage Protection

Isolation Voltage $3,000 V_{DC}$ Filter function **Built-in TVS/ESD Protection**

Note: Not support ADAM-5510KW series

Ordering Information

ADAM-5018P

7-ch Thermo. Input Module w/ Ind. Input Range