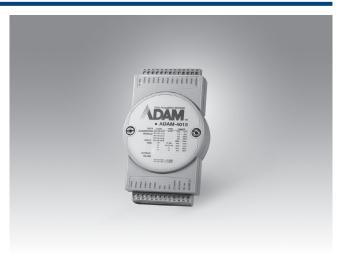
ADAM-4115 ADAM-4015

Robust 6-Ch RTD Input Module

6-ch RTD Module with Modbus





ADAM-4115



C F FC ROHS

Specifications

General

Certification CE, FCC, UL

2 x plug-in terminal blocks (#14 ~ 28 AWG) Connectors

Power Consumption 1.2 W @ 24 V_{DC}

System (1.6 s) & Communication Watchdog Timer Supported Protocols ASCII command and Modbus/RTU

Interface RS-485, Micro USB

Burnout Detection Yes

RTD Input

Channels 6 differential **Input Connections** 2, 3-wire

Sampling Rate 10/100 Hz total channels (selected by utility)

± 25 ppm/°C

±6 μV/° C

Input Impedance $10 \, \mathrm{M}\Omega$

Input Type Pt, Balco and Ni RTD **RTD Types and Temperature Ranges**

Pt100 -50~150°C 0~100°C 0~200°C 0~400°C -200~200°C

Supports both IEC 60751 ITS90 (0.0385 W/W/°C) and JIS C 1604 (0.0392 W/W/°C)

Pt1000 -40~160°C Balco (500) -30~120°C Ni (518) -80~100°C 0~100°C Accuracy ±0.1% (Typical) CMR @ 50/60 Hz 120 dB

Specifications

General

ADAM-4015

Certification CE, FCC

Connectors 2 x plug-in terminal blocks (#14 ~ 28 AWG)

Power Consumption Typical: 0.5 W @ 24 V_{DC} Max.: 0.9 W @ 24 V_{DC}

Watchdog Timer System (1.6 s) & Communication Supported Protocols ASCII command and Modbus/RTU

Burnout Detection Yes

Analog Input

Channels 6 differential 2, 3-wire **Input Connections**

Sampling Rate 10 Hz total channels

Input Impedance $10~\text{M}\Omega$

Pt, Balco, Ni and BA1 RTD Input Type

RTD Types and Temperature Ranges -50~150°C Pt100 0~100°C

0~200°C 0~400°C -200~200°C

Supports both IEC 60751 ITS90 (0.0385 W/W/°C) and JIS C 1604 (0.0392 W/W/°C)

Pt1000 -40~160°C Balco (500) -30~120°C -80~100°C Ni (518) 0~100°C Ni (508) 0~100°C -50~200°C BA1 -200~600°C

±0.1% (Typical) Accuracy CMR @ 50/60 Hz 120 dB \pm 25 ppm/°C Span Drift Zero Drift ± 6 μV/°C

Common Specifications

General

Span Drift

Zero Drift

Power Input 10 ~ 30 VDC

ADAM-4115: 10 ~ 48 V_{DC}

5~95% RH

Operating Temperature -10 ~ 70°C (14 ~ 158°F) ADAM-4115: -40 ~ 85°C (-40 ~ 185°F)

Storage Temperature

- 25 ~ 85°C (-13 ~ 185°F) ADAM-4115: -40 ~ 85°C

(-40 ~ 185°F)

Ordering Information

ADAM-4115

Robust 6-Ch RTD Input Module

ADAM-4015

6-ch RTD Module with Modbus

ADVANTECH

Environment

Operating Humidity

RS-485 I/O Modules: ADAM-4000