ADAM-4115
ADAM-4015

Robust 6-Ch RTD Input Module

6-ch RTD Module with Modbus



ADAM-4115



ADAM-4015

Specifications

General

- **Certification** CE, FCC, UL
- **Connectors** 2 x plug-in terminal blocks (#14 ~ 28 AWG)
- **Power Consumption** 1.2 W @ 24 V_{DC}
- **Watchdog Timer** System (1.6 s) & Communication
- **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)
- **Input Impedance** 10 MΩ
- **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
- **Span Drift** ± 25 ppm/°C
- **Zero Drift** ±6 μV/° C

Specifications

General

- **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
- **Input Connections** 2, 3-wire
- **Sampling Rate** 10 Hz total channels
- **Input Impedance** 10 MΩ
- **Input Type** Pt, Balco, Ni and BA1 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
Ni (508)	0~100°C
	-50~200°C
BA1	-200~600°C

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

Common Specifications

General

- **Power Input** 10 ~ 30 V_{DC}
  ADAM-4115: 10 ~ 48 V_{DC}

Environment

- **Operating Humidity** 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

All product specifications are subject to change without notice.

Last updated: 13-Aug-2021