

# 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<sub>DC</sub>
- **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 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**  $\pm 0.1\%$  (Typical)
- **CMR @ 50/60 Hz** 120 dB
- **Span Drift**  $\pm 25$  ppm/°C
- **Zero Drift**  $\pm 6$   $\mu$ V/°C

## Specifications

### General

- **Certification** CE, FCC
- **Connectors** 2 x plug-in terminal blocks (#14 ~ 28 AWG)
- **Power Consumption**
  - Typical: 0.5 W @ 24 V<sub>DC</sub>
  - Max.: 0.9 W @ 24 V<sub>DC</sub>
- **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 M $\Omega$
- **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
  - 200~600°C
- **Accuracy**  $\pm 0.1\%$  (Typical)
- **CMR @ 50/60 Hz** 120 dB
- **Span Drift**  $\pm 25$  ppm/°C
- **Zero Drift**  $\pm 6$   $\mu$ V/°C

## Common Specifications

### General

- **Power Input** 10 ~ 30 V<sub>DC</sub>  
ADAM-4115: 10 ~ 48 V<sub>DC</sub>

### 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