

ADAM-4115

Robust 6-ch RTD Input Module



RTD Input

- **Channels:** 6 differential
- **Input Connections:** 2, 3-wire
- **Sampling Rate:** 10/100 Hz total channels
- **Input Impedance:** 10 M Ω
- **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:** ± 25 ppm/°C
- **Zero Drift:** ± 6 μ V/°C

General

- **Certification:** CE, FCC, UL
- **Connectors:** 2 x plug-in terminal blocks (#14 ~ 28 AWG)
- **Power Input:** 10 ~ 48 VDC
- **Power Consumption:** 1.2 W @ 24 VDC
- **Watchdog Timer:** System (1.6 s) & Communication
- **Supported Protocols:** ASCII command and Modbus/RTU
- **Interface:** RS-485, Micro USB
- **Burnout Detection:** Yes

Environment

- **Operating Humidity:** 5 ~ 95% RH
- **Operating Temperature:** -40 ~ 85°C (-40 ~ 185°F)
- **Storage Temperature:** -40 ~ 85°C (-40 ~ 185°F)