

AT-15002

AT-16003

7-ch RTD module with Modbus RTU

8-ch Thermocouple Input module with Modbus RTU



AT-15002

Specifications

General

Power Consumption	1.2 W @ 24 VDC
Supported Protocols	MODBUS RTU
Operating Voltage	9 – 36 VDC
Watchdog Timer	System (2 second)&Communication
Configuration Tool	Serial Configuration Utility

RTD

Channels	7
Input connections	2/3/4 wire
Input Type	Pt100/Pt1000
Pt100 Temperature range	-200° to 850°C
Pt1000 Temperature range	-70° to 550°C
Accuracy	0.5°C



AT-16003

Specification

General

Power Consumption	1.2 W @ 24 VDC
Supported Protocols	MODBUS RTU
Operating Voltage	9 – 36VDC
Watchdog Timer	System (2 second)&Communication
Configuration Tool	Serial Configuration Utility

Thermocouple

Channel	8		
Input Type	K, J, N, R, S, T, B, and E		
Resolution	19 bit		
Accuracy	±0.7°C		
Thermocouple Type and Temperature Ranges			
K	0 ~ 1,370°C	S	500 ~ 1,750°C
J	0 ~ 760°C	T	-100 ~ 400°C
N	-270°C to 1300°C	B	500 ~ 1,800°C
R	500 ~ 1,750°C	E	0 ~ 1,000°C

Common Specifications

General

- **Power Isolation for RS485** 1.5 kV Galvanic
- **Indicator** Power ON, I/O Status, Communication LED's
- **Reset Function** Yes
- **Mounting** Din Rail
- **Material** Mild steel (MS) with powder coating

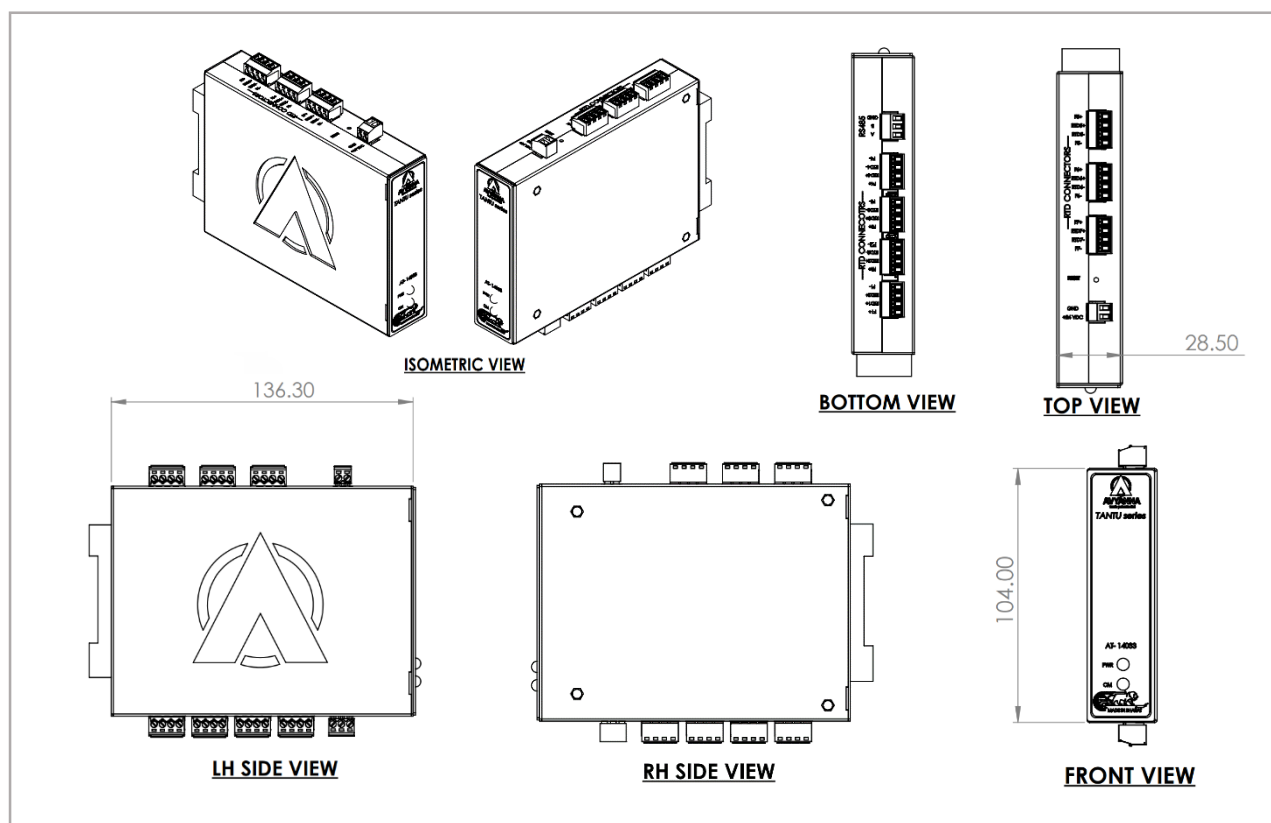
Environment

- **Operating Temperature** 0°C - 60°C
- **Storage Temperature** 0°C - 70°C
- **Operating Humidity** 20-95% RH
- **Certifications** ROHS

Serial Interface

- **Number of Ports** 1
- **RS-485 Data Direction Control** ADDC (Automatic Data Direction Control)
- **Serial Standard** RS485
- **Baud Rate** Custom (Default 115200)
- **Terminating Resistor for RS-485** 120 ohm
- **Parity** None, Even, Odd
- **Data Bits** Data Bits
- **Stop Bits** 1,2
- **Serial Signal** RS-485: 2W D+, D-,GND
- **Galvanic Isolation** 2.5 kV

Dimensions & Drawing



Order Information

Part No.	Description
AT-15002	7-ch RTD module with Modbus RTU
AT-16003	8-ch Thermocouple Input Module with Modbus RTU