AEIO-6015 7 Channel RTD Input ModbusTCP Module

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Features

- 7 Channel Input
- 16 bit resolution
- Modbus/TCP protocol

Specifications

Input

Channels	7 differential
Input Type	Pt, Balco, and Ni RTD
Input Impedance	>10 MΩ
CMR @ 50/60 Hz	150 dB
NMR @ 50/60 Hz	100 dB
Resolution	16 bits
Accuracy	± 0.05 % or better
Input Connections	2 or 3 wire
Sampling Rate	10 samples / sec
Span Drift	± 25 ppm / °C
Zero Drift	± 3 µV / °C

RTD Types and Temperature Ranges

Pt 100	-50° C to 150°C 0° C to 100°C 0° C to 200°C 0° C to 400°C -200°C to 200°C
IEC RTD	100 ohms.(a= 0.00385)
JIS RTD	100 ohms.(a= 0.00392)
Pt 1000	-40 ~ 160°C
Balco 500 RTD	-30 ~ 120°C
Ni 518	-80 ~ 100°C 0 ~ 100°C

General

Certifications	UL, UL(C), CD, FCC rated, ROHS compliant
Connectors	(1) RJ-45 (LAN) Plug-in screw terminal block (I/O & Power)
Dimensions	60 x 110 x 27 mm (WxHxD)
Enclosure	ABS+PC
LAN	10/100 Base-T
LED Indicators	Power & Communication
Mounting	DIN 35 rail, stack, wall
Power Consumption	2 W @ 24 VDC
Power Input	Unregulated 10 ~ 30 VDC
Relative Humidity (non-condensing)	**Operating:** 20 ~ 95% **Storage:** 0 ~ 95%
Temperature	**Operating** : -10 ~ 70° C **Storage:** -20 ~ 80° C
Construction Material	Impact resistant ABS plastic

Protection

Power Reversal Protection	
Individual Wire Burn-out Detection	
Watchdog Timer	Yes, Programmable (Comm.)
Isolation Protection	2,000 VDC