



I-87015-G

I-87015-G 7-channel RTD Input Module

Specifications

Analog Input	
Input Channels	7 Differential
Input Type	Pt100, Pt1000, Ni120, Cu100, Cu1000
Resolution	16-bit
Sampling Rate	7 Samples/ sec (Total)
Accuracy	+/- 0.05% of FSR
Zero Drift	+/- 0.5 μ V/ °C
Span Drift	+/- 25 μ V/ °C
Common Mode Rejection	113 dB
Normal Mode Rejection	100 dB
Input Impedance	>1M Ohms
Individual Channel Configurable	Yes
Wire Opening Detection	Yes
4KV ESD Protection	Yes, Contact for each terminal.
Intra-module Isolation, Field to Logic	3000VDC
LED Display	
1 LED as Power/ Communication Indicator	
14 LEDs as High/ Low Alarm Signals	
Power	
Power Consumption	Maximum : 1.0W
Environment	
Operating Temperature	-25 to 75 °C
Storage Temperature	-30 to 75 °C
Humidity	5 to 95%, Non-condensing
Dimensions	
31 x 81 x 114 (W x D x H)	

RTD Temperature Range

Type Code	RTD Type	Temperature Range °C
20	Platinum 100, α = 0.00385	-100 ~ 100
21	Platinum 100, α = 0.00385	0 ~ 100
22	Platinum 100, α = 0.00385	0 ~ 200
23	Platinum 100, α = 0.00385	0 ~ 600
24	Platinum 100, α = 0.003916	-100 ~ 100
25	Platinum 100, α = 0.003916	0 ~ 100
26	Platinum 100, α = 0.003916	0 ~ 200
27	Platinum 100, α = 0.003916	0 ~ 600
28	Nickel 120	-80 ~ 100
29	Nickel 120	0 ~ 100
2A	Platinum 1000, α = 0.00385	-200 ~ 600
2B	Cu 100 at 0°C, α = 0.00421	-20 ~ 150
2C	Cu 100 at 25°C, α = 0.00427	0 ~ 200
2D	Cu 1000 at 0°C, α = 0.00421	-20 ~ 150
2E	Platinum 100, α = 0.00385	-200 ~ 200
2F	Platinum 100, α = 0.003916	-200 ~ 200
80	Platinum 100, α = 0.00385	-200 ~ 600
81	Platinum 100, α = 0.003916	-200 ~ 600

Ordering information

I-87015	7-channel RTD Input Module (Blue Cover)
I-87015-G	7-channel RTD Input Module (Gray Cover)
I-87015 CR	7-channel RTD Input Module (Blue Cover) (RoHS)
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