

Analog Input RTD

Input Channels	6
Input Type	RTD
Wire connection	2/3 wire
RTD Type	Pt100, Pt1000, Ni120, Cu100, Cu1000
Resolution	16-bit
Sampling Rate	12 samples/ second (Total)
Accuracy	+/-0.05%
-3dB BandWidth	15.7Hz
Zero drift	+/-0.5 μ V/ $^{\circ}$ C
Span drift	+/-20 μ V/ $^{\circ}$ C
Common Mode Rejection	150 dB
Normal Mode Rejection	100 dB
Voltage Input Impedance	>1M Ohms
Open Wire Detection	Yes
Individual Channel Configurable	Yes
3-wire RTD long distance measurement	Yes
ESD Protection	4KV Contact for each terminal 8KV Air for random point
EFT Protection	4KV to Power, and 1KV to RS-485
Intra-module Isolation, Field to Logic	3000 VDC
Interface	
Interface	RS-485
Format	N, 8, 1
Baud Rate	1200 ~ 115200bps
LED Display	
1 LED as Power/ Communication indicator	
Power	
Input	+10 to +30 Vdc
Power Consumption	1.2W
Environment	
Operating temperature	-25 to 75 $^{\circ}$ C
Storage temperature	-40 to 85 $^{\circ}$ C
Humidity	5 to 95%, non-condensing



i-7015P

6-channel RTD Input Module

Type Code	RTD Type	Temperature Range $^{\circ}$ C
20	Platinum 100, a= 0.00385	-100 ~ 100
21	Platinum 100, a= 0.00385	0 ~ 100
22	Platinum 100, a= 0.00385	0 ~ 200
23	Platinum 100, a= 0.00385	0 ~ 600
24	Platinum 100, a= 0.003916	-100 ~ 100
25	Platinum 100, a= 0.003916	0 ~ 100
26	Platinum 100, a= 0.003916	0 ~ 200
27	Platinum 100, a= 0.003916	0 ~ 600
28	Nickel 120	-80 ~ 100
29	Nickel 120	0 ~ 100
2A	Platinum 1000, a= 0.00385	-200 ~ 600
2E	PT 100, a= 0.00385	-200 $^{\circ}$ C ~ +200 $^{\circ}$ C
2F	PT 100, a= 0.003916	-200 $^{\circ}$ C ~ +200 $^{\circ}$ C
80	PT 100, a= 0.00385	-200 $^{\circ}$ C ~ +600 $^{\circ}$ C
81	PT 100, a= 0.003916	-200 $^{\circ}$ C ~ +600 $^{\circ}$ C

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