



Specifications	
Number of channels	4 differential
Input sensor types	PT-100 (100 Ω at 0°C, 0.00385 Ω per ΔC, Ni-120 (120 Ω at 0°C)
Resolution	15 bit
Accuracy	±0.1% FSR
Span drift	+/- 30 PPM/°C
Step response (5~95%)	18 ms/channel
Setup time	20 ms/channel
Settle time	300 ms/channel
Conversion method	Sigma-Delta
Range	PT-100: -150 ~ 600°C Ni-120: -50 ~ 300°C
Channel Isolation	2.5 KV optical isolation between input/output signal and CPU, channels not individually isolated
Internal current consumption	400 mA
3/4 wire selection	DIP Switches
Weight	380 g
Features	
<ul style="list-style-type: none"> \$ (4) Optical isolation for input signal \$ (4) Optically isolated NPN/Sink transistor outputs for fast I/O response 	

* The design of the module involves a software filter and each channel acquires 20 samples of data in one scan.

Terminal #	Signal	Wiring Diagram
1	CH1_S	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>3-Wire</p> </div> <div style="text-align: center;"> <p>4-Wire</p> </div> </div> <div style="text-align: center; margin-top: 20px;"> <p>Output (O1, O2, O3, O4)</p> </div>
2	CH1_M+	
3	CH1_M-	
4	CH12_D	
5	CH2_M-	
6	CH2_M+	
7	CH2_S	
8	CH3_S	
9	CH3_M+	
10	CH3_M-	
11	CH34_D	
12	CH4_M-	
13	CH4_M+	
14	CH4_S	
15	O1	
16	O2	
17	O3	
18	O4	
19	24V	
20	NC	

If the discrete outputs are to be used, a 24 VDC voltage supply connection is required. See the I/O wiring diagram.

