



Specifications	
<b>Number of channels</b>	4 differential
<b>Input sensor types</b>	PT-100 (100 Ω at 0°C, 0.00385 Ω per ΔC, Ni-120 (120 Ω at 0°C)
<b>Resolution</b>	15 bit
<b>Accuracy</b>	±0.1% FSR
<b>Span drift</b>	+/- 30 PPM/°C
<b>Step response (5~95%)</b>	18 ms/channel
<b>Setup time</b>	20 ms/channel
<b>Settle time</b>	300 ms/channel
<b>Conversion method</b>	Sigma-Delta
<b>Range</b>	PT-100: -150 ~ 600°C Ni-120: -50 ~ 300°C
<b>Channel Isolation</b>	2.5 KV optical isolation between input/output signal and CPU, channels not individually isolated
<b>Internal current consumption</b>	400 mA
<b>3/4 wire selection</b>	DIP Switches
<b>Weight</b>	380 g
Features	
\$	(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><b>3-Wire</b></p> </div> <div style="text-align: center;"> <p><b>4-Wire</b></p> </div> </div> <div style="text-align: center; margin-top: 20px;"> <p><b>Output (O1, O2, O3, O4)</b></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.

