



GT-3744

4 channels RTD

4-wire RTD / Resistance input

16 bit resolution

Sensor types: PTxx, JPxx, NIxx, CUxx, NI1000LG etc.

18pt removable terminal block

Facts

General description

Article number	100-8308
Warranty	Up to 2 years
Article status	Active
Shock operating	IEC 60068-2-27 (15G)
Vibration resistance	Sine vibration (based on IEC 60068-2-6), 5 ~ 25 Hz: $\pm 1.6\text{mm}$, 25 ~ 300 Hz: 4G, Sweep rate: 1 octave/min., 20 cycles, Random vibration (based on IEC 60068-2-64), 10 ~ 40 Hz: $0.0125\text{g}^2/\text{Hz}$, 40 ~ 100 Hz: $0.0125 \rightarrow 0.002\text{g}^2/\text{Hz}$, 100 ~ 500 Hz: $0.002 \text{g}^2/\text{Hz}$, 500 ~ 2000 Hz: $0.002 \rightarrow 1.3 \times 10^{-4}\text{g}^2/\text{Hz}$, Test time: 1hrs for each test
Industrial emissions	EN 61000-6-4/A11: 2011
Industrial immunity	EN 61000-6-2: 2019
Product certifications	Horisontal, Vertical CE, UL, cUL, FCC, RoHS, China RoHS, Reach
Power dissipation	Max. 120 mA @ 5 VDC
Isolation	I/O to logic: Isolation, Field power: Not connected
Field power	Nominal supply voltage: 24 VDC, Voltage range: 60°C: 18~32 VDC, 70°C: 18~26.4 VDC
Weight	64 g
Module size	12x109x70 mm

Environmental

Mounting	35mm DIN rail
Operating temperature	-20 ~ 60°C
Storage temperature	-40 ~ 85°C
UL temperature	-20 ~ 60°C
Relative humidity	5 ~ 90% non-condensing

Analog input module specifications

Calibration	Not Required
Conversion time	< 60 ms / all channels
Data format	16 bit integer (2's complement)
Diagnostic	Sensor open or range over, then conversion data = 0x8000(-32768)
Indicators	4 green input status
Inputs per module	4 channels
Module accuracy	See details in manual
Resolution in ranges	RTD Type : $\pm 0.1 \text{ }^\circ\text{C}$ / F , Resistance type: 1 Ω , 100 m Ω , 10 m Ω , 20 m Ω , 50 m Ω
Resolution of data	RTD Type : $\pm 0.1 \text{ }^\circ\text{C}$ / F , Resistance type: 1 Ω , 100 m Ω , 10 m Ω , 20 m Ω , 50 m Ω

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