



GT-3704

4 channels RTD

3 wire RTD input
PT100 / PT1000 / Ni1000LG / etc,
16 bit resolution
10pt removable terminal block

Facts

General description

Article number	100-8040
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	Horizontal, Vertical CE, UL, cUL, FCC, RoHS, China RoHS, Reach
Power dissipation	Max. 130 mA @ 5 VDC
Isolation	I/O to Logic: Photocoupler isolation, I/O to Field Power: Non-Isolation
Field power	Not used. Field power bypassed to next expansion module.
Weight	60 g
Module size	12x99x70 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
Connection types	3-Wire
Conversion time	≤ 150 ms, all channels
Data format	16 bit integer (2's complement)
Excitation current	About 1 mA
Indicators	4 green input status
Inputs per module	4 channels
Module accuracy	PT1000: ±0.5°C Full Scale @ 25°C ambient, PPT1000: ±0.1°C Full Scale @ 25°C ambient, PPT1000: ±0.3°C Full Scale @ -40,70°C ambient, Cu10: ±2% Full Scale @ 25°C ambient, Cu10: ±4% Full Scale @ -40,70°C ambient, Cu100: ±0.3% Full Scale @ 25°C ambient, Cu100: ±0.5% Full Scale @ -40,70°C ambient, ±0.1% Full Scale @ 25°C ambient, ±0.3% Full Scale @ -40,70°C ambient
Resolution in ranges	RTD Type: ±0.1°C/ F , Resistance type: 100 / 10 / 20 / 50 mΩ
Sensor types	RTD Input, , PPT1000 (PT1000 Precise Mode): 50~150°C, Cu10,Cu100: 100~260°C, PT100, PT200, PT500, PT50: 200~850°C, PT1000: 200~350°C, JPT100, JPT200, JPT500, JPT50: -200~640°C, JPT1000: -200~350°C, NI100, NI200, NI500: -60~250°C, NI1000: -60~180°C, NI120: -80~260°C, NI1000LG: -50~120°C, , Resistance Input, , 100mΩ/bit: 0~2000Ω, 10mΩ/bit: 0~327Ω, 20mΩ/bit: 0~620Ω, 50mΩ/bit: 0~1200Ω

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Beijer Electronics, Inc.
850 South 3600 West, Suite C
Salt Lake City, UT 84104
USA

[Sales: +1 801-708-6631](tel:+18017086631) [Support: +1 801-708-6690](tel:+18017086690) (tel:[Sales: +1 801-708-6631](tel:+18017086631) [Support: +1 801-708-6690](tel:+18017086690))
sales.americas@beijerelectronics.com (<mailto:sales.americas@beijerelectronics.com>)