



## GT-3758

8 analog inputs

2-wire NTC / Resistance input

16 bit resolution

Sensor types: NTC10K, 10 Ω/bit etc.

18pt removable terminal block

## Facts

### General description

Article number	100-8309
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	< 4 ms / all channels
Data format	16 bit integer (2's complement)
Diagnostic	Sensor open or range over, then conversion data = 0x8000(-32768)
Indicators	8 green input status
Inputs per module	8 channels
Module accuracy	See details in manual
Resolution in ranges	NTC Type : $\pm 0.1 \text{ } ^\circ\text{C}/\text{F}$
Resolution of data	NTC Type : $\pm 0.1 \text{ } ^\circ\text{C}/\text{F}$

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

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