



GT-3102

2 channel

Load cell, strain gauge

24 bit resolution

-150~150 mV

g / kg / ton scaling

18pt removable terminal block

Facts

General description

Article number	100-8097
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: $0.002 \rightarrow 1.3 \times 10\text{-}4\text{g}^2/\text{Hz}$, Test time: 1hrs for each test
Industrial emissions	EN 61000-6-4/A11: 2011
Industrial immunity	EN 61000-6-2: 2019
Installation position	Horisontal, Vertical
Product certifications	CE, UL, cUL, FCC, RoHS, China RoHS, Reach
Power dissipation	Max. 25 mA @ 5 VDC
Isolation	I/O to Logic: Photocoupler isolation, I/O to Field Power: Non-Isolation
Field power	Nominal supply voltage: 24 VDC, Voltage range: 60°C: 18~32 VDC, 70°C: 18~26.4 VDC
Weight	65 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

Conversion time	$\leq 0.7\text{ ms}$, all channels
Data format	0.1g/kg/ton, 32bit presentation
Etc function	Open load check, Tare, 5 VDC bridge supply
Indicators	Run 0,1 / Tare 0,1, Error_Sig.voltage 0,1 / Error_Ref.voltage 0,1, 8 Green LED
Input current range	-150 ~ 150mV
Inputs per module	2 channels strain gauge
Module accuracy	$\pm 0.1\%$ full scale @ 25°C ambient, $\pm 0.3\%$ full scale @ -40°C, 70°C

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