



GXM-10L/20L 1 and 2 Channel Loadcell Extension Module

Device Description : This device is an extension module uses for increase digital I/O capacity. It works with any CPU module, It does not work stand alone.

General Description: Loadcell module power output voltage is 5V. Module supports all type loadcell which can work 5V. 4 and 6 cable connection are supported. When 6 cable connection is selected, cable distance does not effect measurement

Module provide weight measurement. One CPU support max. 16 extension module



Priority Considerations

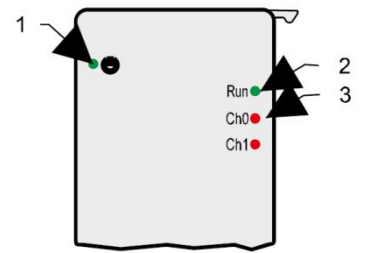
- To avoid damaging the system, do not connect/disconnect the device when power is on
- Make wiring according to user manual to avoid damaging the system.
- Do not touch PLC module terminals when power is on
- Make sure that the PLC module analog input values are in the scale intervals.
- Make sure that the ground line is connected to the PLC module.

General Specification:

Part	Name	Description
General	Power	Internal
	P. Consumption	24V DC Max 2W
	Sensor Connection detection	Each Channels can detect sensor wiring and short circuit conditions.
	Mounting	DIN Rail
Sensor inputs	Qty	GXM-10L, 1 Channel GXM-20L, 2 Channel
	Resolution	24 bit
	Power supply for load cell	5VDC
	Offset	$\pm 5\text{nV} / ^\circ\text{C}$
	Gain	$\pm 1 \text{ ppm} / ^\circ\text{C}$
	mV	0..60mV range, 0.01mV resolution.
	Automatic Calibration	Automatic reset and full load offset fixing
	Refresh period	100Hz
Environmental	Temperature	-10..+60°C (without icing)
	Humidity	5..95%rH
	Environmental	Do not use the device in locations subject to corrosive or flammable gasses

Led Status

- 1) Power Led ; The Led is on when module is powered..
- 2) Run Led ; This Led on when module-PLC configuration made successfully and module is running
- 3) Ch0,Ch1, Channels status leds. If there is any faults in wiring this leds blinks. All of them is off when in normal condition.



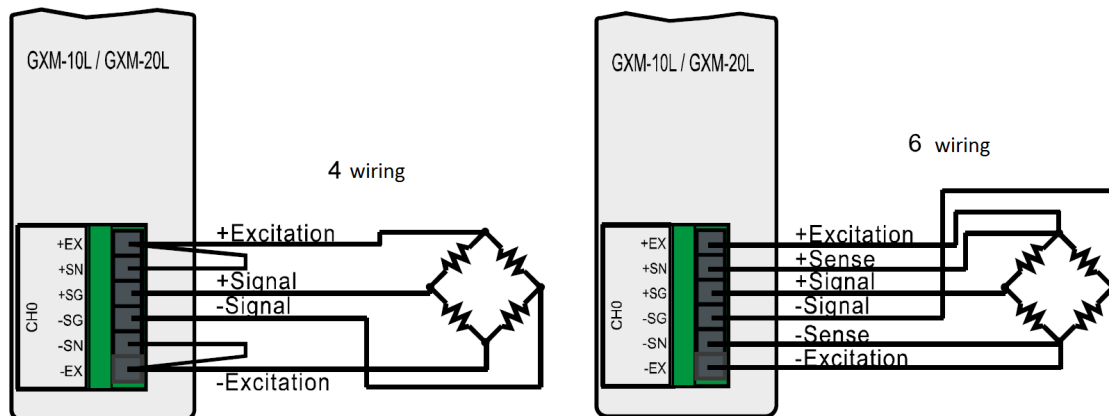
Module Configuration

Extension modules configuration made by GMTSoft editor. There is no need any hardware setting on device.

Loadcell information which are full load value and gain value mv/V can get form manufactrere technical manual or label. And these values are set in GMTsoft hardware configuration.

When configured loadcell modules start to show measurement value, Beside this, according to tare and max load, recalibration may need. To do this linear function is advised

Loadcell Connection



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<http://www.gmtcontrol.com>