

GMC-X802CD

Linear Feeder Controller



The GMC-X802CD is a weighing module developed for linear feeder packing systems with vibrators. The new algorithm makes the weighing control faster and more accurate. Various communication ports make the equipment easier to connect with the system. It is suitable for weighing powdery or small granular materials, such as sugar, salt, seeds, rice, sesame, spice, milk powder, coffee, washing powder, etc.



Hardware Interface



Standard:

- 2 RS485 Communication: for PC, PLC, printer, tag printer, remote display, or other external device;
- USB: used for program upgrade and parameter import, export and backup;
- 10 Input/20 Output I/O ports: for starting, stopping, discharging, feeding, I/O definable for different applications;
- 2 load cell interfaces: for the 6-wire load cell scale, 1 interface can connect up to 8 load cells with 350Ω;
- Modbus TCP

Options:

- Single/dual internet ports: support Modbus TCP;
- 2/4 analog interfaces: for vibrator voltage output range: 0~10V or 0-24mA.

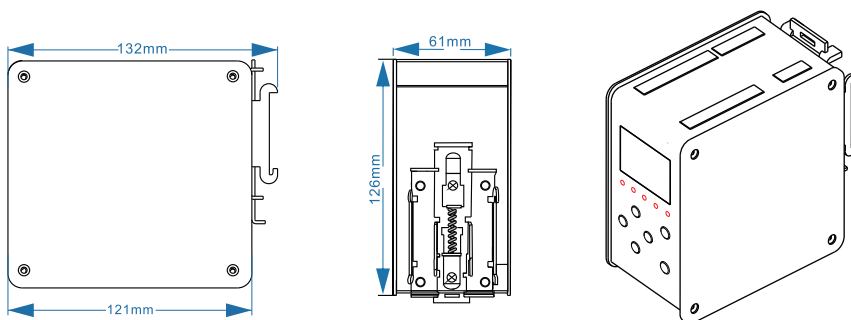


Functions

- DIN rail mount, save space;
- With screen and buttons for easy operation;
- For dual packing scales, up to 3 controllers for 6 packing scales interlocking without PLC;
- McgsPro program sample code of single / double / four / six scales can be provided;
- Various feeding mechanisms: vibrator, pneumatic / stepping motor;
- Various discharging mechanisms: pneumatic, common motor, stepper motor, etc.;
- Support for batching management, bag clamp/loosen, material level control, over-under alarm and under-level feed;
- Support analog self-search, lead adaptive function, reduce the difficulty of debugging, to achieve intelligent system.

Specifications

General Specifications	Model	GMC-X802CD
	Power	DC 24V ±5%
	Working Temperature	-10 ~ 40°C
	Humidity	90%R.H no condensation
	Power Consumption	Approx. 5W
	Calibration standard	ClassIII6000e, 1μV/d
	Size	61mm x 132mm x 126mm
Weighing Parameters	A/D Conversion	24 bits Delta-Sigma
	Nonlinearity	0.01%F.S
	Gain Drift	10 PPM/°C
	Sensitivity	0.1μV/d
	Input range	0.02~11mV (load cell: 2mV/V)
	Load Cell Power	DC5V, 125mA(Max)
	Input Impedance	10MΩ
Hardware Interfaces	Zero Adjustment Range	Max 0.02~8mV (load cell: 2mV/V)
	Load Cell Interface	6-wire load cell scale, 1 interface can connect up to 8 load cells with 350Ω
	I/O Interface	10 IN 20 OUT transistor interfaces (PW1-PW6 is PWM output)
	Communication Interface	2 RS485 communication interfaces Modbus TCP optional
	Analog Interface	2/4 analog interfaces for voltage output, output range: 0~10V or 0-24mA



Applications Diagram

