GMC-X3

Rail-Mount Loss-In-Weight Controller

GMC-X3

Stop Upper

0.000 kg/h

Output:
WT: 4.000 mA
       2.243 kg

POWER COM1 COM2 LAN RUN

The GMC-X3 is a loss-in-weight scale control module for precise continuous dosing. It ensures accurate dosing of liquids, powders, granules, and flakes, enhancing mixture consistency and reducing waste. Ideal for chemical, plastic, and smelting industries.

Hardware Highlights

- Stainless steel case, IP65 protection.

Standard

- 6-wire load cell interface .
- 1 analog s interface.
- 1 RS485, 1 Rs232 interface with isolation.
- 4 inputs and 5 outputs 6 4 self-defined transistor input or output interfaces.

Options

- RJ45 or Profinet.
- 1 analog input (Current/voltage optional).
- 1 analog output interface.

Software Highlights

- Newgeneration flowcontrol algorithm for enhanced stability.
- Supports analog calibration and both automatic and manual flow rate calibration.
- Automatic locking and unlocking function to manage flow interference.
- Allows simultaneous access to instrument parameters by two devices (Modbus TCP).
- Multiple working modes:
    - o Flow rate presetting and flow rate control.
    - o PID control mode and segment control mode.
- Threshold anti-interference function for stable operation.
- Multi-material support: up to 10 sets of material parameters, with easy switching between them.

GM C-X3

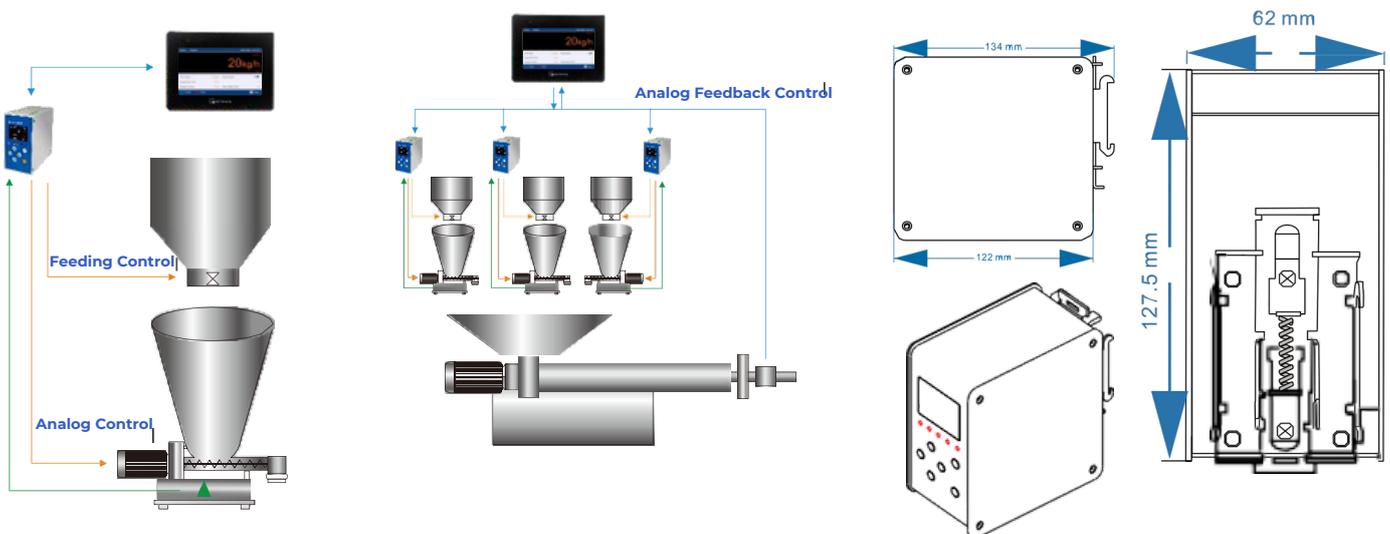## Specification

General Specifications	Model Power Supply	GMC-X3
	Approved Environment	DC 24V (18-36VDC)
	Maximum Humidity Testing	-10~40°C
	Standards Power	90% R.H Without Dew
	Dissipation Load Cell	Class III 6000 e,1 μV/e
	Excitation Voltage	15W
Measurements Parameters		5V, 200mA(MAX)
	Load Cell Connection	1 Loadcell interface, 6 wire with compensation, up to 8 load cells with 350W support 1m V/V, 2mV/V, 3mV/V sensitivity.
	Analog Input Range	0-15mV
	Input Sensitivity	0.1μV/d
	Non-Linearity	0.01% F.S
	A/D Conversion	480 times/sec
	Display Accuracy	1/1,000,000
Communication Interface	Standard	• 1 analog output interface • 1 RS485, 1 RS232 interface • with isolation 4 inputs and 4 outputs +4 self-defined transistor input or output interfaces.
	Optional	• RJ45 or Profinet • 1 analog input (current/voltage optional) • 1 analog output interface.

Application Diagram

Units: mm