

Packaging Controllers



Model no.: GM8804C-2

Description:

The GM8804C-2 is one of our core products and the industry standard for packaging controllers in China, dominating the market with over 50% market share, and the go-to product in grain, chemical, and fertilizer industries. With over 10 years of experience in designing packaging controllers for industries, we have fine tuned the software for all packaging related needs and processes and while holding patents to key technologies, so our customers in China and worldwide trust us when it comes to their packaging controller needs.

Key Features:

- CE approved
- Suitable for all packaging applications with or without a material hopper
- System self diagnostics for I/O ports to simplify installation and maintenance
- 20 I/O control (8 inputs and 12 outputs)
- Perfect balance between speed and precision with automatic three-speed feeding control
- Advanced free fall compensation algorithm for extremely precise result every time
- Smart calibration without weights
- 20 recipes can be stored for different weighing capacity
- Patent pending two-layer advanced digital filtering algorithm
- Two serial communication ports to connect with computer, printer and/or a second display, support ModBus protocol

Specification:

INDICATOR POWER	
Power Supply	90V ~ 260V AC 50Hz(or 60Hz)±2%
Power Consume	15W
A/D CONVERTER	
Type	24-bit Delta-Sigma
Analogue input range	0.2mV to 37mV
Linearity	<0.01%FS
Gain Drifting	10PPM/°C
Minimum Sensitivity	0.5 μ V/d
Conversion Rate	120/s
Display Accuracy	1 / 30,000
DISPLAY & KEYBOARD	
Main Display	6 digits, 7 segments, VFD
Sub Display	3 digits, 7 segments, VFD
Keyboard	16 membrane switches with beeping feedback
Status Indicator	(18 VFD indicator) ZERO, STAB, RUN, SUM, OVER, UNDER, SP1, SP2, SP3, DISC, NZ, FILL, HILIM, HI, GO, LO, LOLIM, HOLD
LED Status	Gross, Net, Tare, Pack
CALIBRATION & WEIGHING FUNCTIONS	
Calibration	By test weight or by electronic calibration
Digital Filter	Multiple FIR filter with 9 selectable levels
Weighing Functions	zero, zero tracking, auto-zero at power
ENVIRONMENTAL	
Operating Temperature	-10°C to 40°C
Storage Temperature	-25°C to 70°C
Relative Humidity	90% R.H without dew
IP Level	Front panel IP 65
LOAD CELLS	
Excitation	12V
Load Cells	Drives 8pcs Load Cells 350Ω
MECHANICAL DATA	
Dimensions & Weight	165×181×98 mm (L×W×H) weight approx. 2.5kgs
Standard Mounting	Panel Mount
Certification	CE
Enclosure	ABS front panel, cast aluminum body
DIGITAL INPUT	
Input Number	8
Input Functions	(12 Self-defined functions) Start, Stop, Zero, Clear Alarm, Change Recipe, Clip/Loose bag, Manual discharge, Manual fine feeding, Print, Key locker, HI-limit, low-Limit
DIGITAL OUTPUT	
Output Number	12
Output Functions	(15 Self-defined functions) Run, Stop, High-feeding, Middle-feeding, Fine-feeding, Fixing-value, Over, Alarm, Clip bag, Punching bag, Discharge, Near zero, Supply material, Batch complete, Material short
PRINT FUNCTION	
Print	RS232 Port
UART RS232/RS485 INTERFACE	
BUS	Standard Modbus RTU
CONT	Sending Continuous (General Measure Protocol)
READ	Read and Response mode (General Measure Protocol)
PACKING FUNCTION	
Feeding	3 Feeding Speed, Jog-feeding supported
Packing Mode	With Bin mode, Without Bin mode
Recipe	20 recipes
Speed	10-16 Packs/min up to 50Kg/pack
Accuracy	≤0.5%
Extra	Free fall self-adjust, Punching bag function