

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 |