

Check-weigher Controller



Model no.: GM8804C-7

Description:

The GM8804C-7 is a ultra high performance check-weigher controller with many patented technology over 25 years and core competence in data processing and filtering. This controller offers the state-of-art ability to balance between data stability and response speed, making it the highest performing check weigher controller on the market.

Key Features:

- CE compliant
- 20 I/O control ports (8 inputs / 12 outputs)
- Patent pending two-layer advanced digital filtering algorithm
- RS232 / RS485 serial communication ports
- Always Steady technology allowing the reading to be stable and responsive at the same time at medium to high speeds

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 27mV
Linearity	<0.01%FS
Gain Drifting	10PPM/°C
Minimum Sensitivity	0.5 μ V/d
Conversion Rate	120/s
Display Accuracy	1 / 100,000
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. 2.5kg
Standard Mounting	Panel Mount
Certification	CE
Enclosure	ABS front panel, cast aluminum body
DIGITAL INPUT	
Input Number	8
Input Functions	(11 Self-defined functions) Start, Stop, Zero, Clear alarm, Choose recipe, Clear Tare/Filling, Manual fine feeding, Print, Key locker, Hi-limit, Low-limit.
DIGITAL OUTPUT	
Output Number	12
Output Functions	(14 Self-defined functions) Run, Stop, High-Feeding, Moderate-feeding, Fine-feeding, Fixing Value, Over, Alarm, Move Can, Near Zero, Supply, Batch Complete, Material short, Rise Pipe
INSTRUMENT WITH ANALOGUE OUTPUT(OPTIONAL)	
Type	Isolaed 16-bit D/A converter
Accuracy	0.04%
Voltage Output	0-5V / 0-10V/ -5-5V / -10-10V
Current Output	4-20mA / 0-20mA / 0-24mA
PRINT FUNCTION	
Print	RS232 Port
UART RS232/RS485 INTERFACE	
CONT	Continuous Sending
CHER	Checking Result
Modbus	Standard Modbus RTU
SAFETY	
Parameter Password protected	
Fuse Protection	