GENERAL MEASURE

Hi-Tech

Packaging Controllers

GM8804CD WEIGHING INDICATOR

Model no.: GM8804C-D

Description:

The GM8804CD is the first dual channel packaging controller in the world, which offers a integrated and value adding solution for applications in which multiple hoppers are on a single scale. And it has the same high performance and key technologies in the GM8802C-2 while offering lower cost by controlling two hoppers with a single indicator.

Key Features:

- CE compliant
- 28 I/O control (12 inputs and 16 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 weight
- 10 recipes can be stored for different weighing capacity
- Patent pending two-layer advanced digital filtering algorithm
- Setting batching numbers
- Two serial communication ports to connect with computer, printer and/or a second display

Specification:

INDICATOR POWER	
Power Supply	90V ~ 260V AC 50Hz(or 60Hz)±2%
Power Consume	25W
A/D CONVERTER	
Type	24-bit Delta-Sigma
Analogue input range	0.2mV to 37mV or 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 / 30,000
DISPLAY & KEYBOARD	
Main Display 1	6 digits, 7 segments, VFD
Main Display 2	6 digits, 7 segments, VFD
Extra Sub-Display	1 digits, 7 segments, VFD
Keyboard	16 membrane switches with beeping feedback
Status Indicator	(8 indicators each channel) SP1, SP2, SP3, COMP, DISC, OVER ,NZ, ZERO. (5 independent LED indicators) RUN, PACK, SUM, FILL, A+B
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	231×257×97 mm (L×W×H) weight approx. 4kgs
Standard Mounting	Panel Mount
Certification	CE
Enclosure	ABS front panel, cast aluminum body
DIGITAL INPUT	
Input Number	12
Input Functions	(15 Self-defined functions) Start, Stop, A-Zero, B-Zero, Clear Alarm, Change Recipe, Clip/Loose bag, A-Manual discharge, B-Manual discharge, Manual fine feeding A, Manual fine feeding B ,Print, Key locker, Hi-limit, low-Limit
DIGITAL OUTPUT	
Output Number	16
Output Functions	(21 Self-defined functions) Run, A-High-feeding, A-Moderate-feeding, A-Fine-feeding, A-Fixing-value, A-Discharge, B-High-feeding, B-Moderate-feeding, B-Fine-feeding, B-Fixing-value, B-Discharge, Over, Alarm, Clip bag, Punching bag, Discharge, A-Near-Zero, B-Near-Zero
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	A,B channel independent mode, A,B channel combine mode
Recipe	With Bin mode, Without Bin mode
Speed	10 recipes
Accuracy	≤0.5%
Extra	Free fall self-adjust, Punching bag function