

Batching Controllers



Model no.: GM8806A

Description:

The GM8806A is an extremely versatile and powerful controller that combines the functions of basic weighing, batching, and packing into a compact and robust casing, which offers maximum flexibility by allowing you to alternate between the different function modes, thereby minimizing your inventory needs and offers unmatched combination of performance and flexibility.

Key Features:

- CE compliant
- Selectable up to 4 type of material batching
- 14 I/O ports (4 inputs and 10 outputs)
- Easy Switch between the 3 function modes, reducing inventory need for our distributors
- Power-loss Protection function allows continued operation right after power-loss
- Compact and ergonomic design for large systems where panel space is constrained
- Allows the option of having both analogue and serial communication port simultaneously
- Storing up to 40 recipes for different batching capacity
- Smart calibration without weights
- Advanced free fall compensation algorithm for extremely precise result every time

Specification:

INDICATOR POWER	
Power Supply	90V ~ 260V AC 50Hz(or 60Hz)±2%
Power Consume	10W
A/D CONVERTER	
Type	24-bit Delta-Sigma
Analogue input range	0.02mV to 10mV
Linearity	<0.01%FS
Gain Drifting	10PPM/°C
Minimum Sensitivity	0.01 μ V/d
Conversion Rate	120/s
Display Accuracy	1 / 30,000
DISPLAY & KEYBOARD	
Main Display 1	6 digits, 7 segments, LED
Sub Display 2	6 digits, 7 segments, LED
Extra Display	1 digits, 7 segments, LED
Keyboard	4 membrane switches with beeping feedback
Status Indicator	(6 indicator) RUN, SP1, SP2, DISC, ZERO, STAB
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	5V
Load Cells	Drives 8pcs Load Cells 350Ω
MECHANICAL DATA	
Dimensions & Weight	151×105×57 mm (L×W×H) weight approx. 550g
Standard Mounting	Panel Mount
Certification	CE
Enclosure	ABS front panel, cast aluminum body
DIGITAL INPUT	
Input Number	4
Input Functions for batching	11 Self-defined functions
Input Functions for packaging mode	19 Self-defined functions
DIGITAL OUTPUT	
Output Number	10
Output Meaning for batching	17 Self-defined functions
Input Meaning for packaging mode	20 Self-defined functions
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
UART RS232/RS485 INTERFACE	
BUS	Standard Modbus RTU, Standard Modbus ASCII
RS	General Measure Protocol
PACKING MODE(SELECTABLE)	
Feeding	3 Feeding Speed, Jog-feeding supported
Working Mode	With Bin mode, Without Bin mode
Packaging Mode	Gross Packing, Net Packing
Recipe	40
Extra	Free fall self-adjust, Punching bag function
BATCHING MODE(SELECTABLE)	
Materia	Support upto 4 materials
Feeding	3 Feeding Speed, Jog-feeding supported
Recipe	40
Extra	Free fall self-adjust, Punching bag function
SAFETY	
Run resume when re-power on	