



Batching Controller

Model no.: MA10..B

Description:

The compact and robust Batching Controller offers exceptional reliability, advance filtering, ability to perform under heavy interference and the most severe industrial environment. It is customized for batching up to 6 types of materials in process industries like steel, Ferro Alloy, Glass, Welding Electrodes, Food & Beverages, Pharmaceuticals, Soap & Detergent, Chemical, Rubber, Cement, Paint, Healthcare, Ready mix concrete etc.

Key Features:

- 20 I/O control (8 inputs and 12 outputs)
- Perfect balance between speed and precision with automatic three-speed feeding control
- Smart calibration without weights
- Storing up to 40 recipes for different batching capacity
- Advanced in-flight material correction algorithm for extremely precise result every time
- Two serial communication ports to connect with computer, printer and/or a second display
- Controls up to 6 kinds material batching process



We are specialized in all type of Industrial weighing (Like Tank/Hopper, Crane, Ladle, Belt/Screw Weighfeeders, Belt Weighers, Loss in Weighfeeders), Bag/Bin Filling and Batching systems, process equipments (Like Level Switches & Measurements, Vibro-Feeders, Screw Feeders, Mixer, Bucket Elevators, RALV, Vibrating Motors, all type of Valves & Actuators), Process Automation (PLC, DCS & SCADA) and Turnkey Projects.

Specification:

CONTROLLER POWER	
Power Supply	90V ~ 260V AC 50Hz(or 60Hz)±2%
Power Consumption	15W
A/D CONVERTER	
Type	24-bit Delta-Sigma
Analogue input range	0.2mV to 37mV
Linearity	<0.001%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 software 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 50°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 8 Nos Load Cells of 350Ω
MECHANICAL DATA	
Dimensions & Weight	165×181×98 mm (L×W×H) weight approx. 2.5kgs
Standard Mounting	Panel Mount
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 select, 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, Fast feeding, Moderate feeding, Fine-feeding, Fixing-value, Discharge, No. 1 ~No.6 Material short.
INSTRUMENT WITH ANALOGUE OUTPUT(OPTIONAL)	
Type	Isolaed 16-bit D/A converter
Accuracy	0.04%
Voltage Output	0-10V
Current Output	4-20mA / 0-20mA
PRINT FUNCTION	
Print	Rs232 Port
UART RS232/RS485 INTERFACE	
BUS	Standard Modbus RTU
CONT	Sending Continuous Data
READ	Command and Response Mode

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