

## Bagging Controller



**Model no.: MA10..F**

### Description:

The compact and robust Bagging Controller offers exceptional reliability, advance filtering, ability to perform under heavy interference and the most severe industrial environment. It is customized for automatic three speeds (Coarse, Medium and Fine), bagging with highest response, speed and accuracy in industries like Grain, Sugar, Atta / Suji, Plastic, Metals, Bulk Drugs, Paints / Pigments, Chemical, Fertilizer, Minerals, Cement and Powder etc.

### Key Features:

- 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 in-flight material correction algorithm for extremely precise result every time
- Smart calibration without weights
- 20 recipes can be stored for different weighing capacity
- Two serial communication ports to connect with computer, printer and/or a second display
- support MODBUS protocol



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:

<b>CONTROLLER POWER</b>	
Power Supply	90V ~ 260V AC 50Hz(or 60Hz)±2%
Power Consumption	15W
<b>A/D CONVERTER</b>	
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
<b>DISPLAY &amp; KEYBOARD</b>	
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
<b>CALIBRATION &amp; WEIGHING FUNCTIONS</b>	
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
<b>ENVIRONMENTAL</b>	
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
<b>LOAD CELLS</b>	
Excitation	12V
Load Cells	Drives 8 Nos Load Cells of 350Ω
<b>MECHANICAL DATA</b>	
Dimensions & Weight	165×181×98 mm (L×W×H) weight approx. 2.5kgs
Standard Mounting	Panel Mount
Enclosure	ABS front panel, cast aluminum body
<b>DIGITAL INPUT</b>	
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
<b>DIGITAL OUTPUT</b>	
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
<b>PRINT FUNCTION</b>	
Print	Rs232 Port
<b>UART RS232/RS485 INTERFACE</b>	
BUS	Standard Modbus RTU
CONT	Sending Continuous Data
READ	Command and Response mode
<b>PACKING FUNCTION</b>	
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
Extra	Free fall self-adjust, Punching bag function

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