

# MO4 & MO4-D

## Bagging/Weighing Scale Controller

It can be widely used in food, feed, seed, chemical, building materials, other industries.



### A/D Max. 960t/s



### Display Accuracy 1/100000

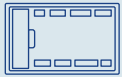
- ⊗ Advanced Algorithm
- ⊗ Optimised Hardware
- ⊗ Faster and Accurate Weighing Control.

### USB Port



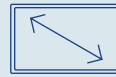
- ⊗ Upgraded Software
- ⊗ User- friendly boot screen
- ⊗ Easily import and export data
- ⊗ Standard RS232 (Modbus TCP)  
Easier for System Interaction

### Standard I/O



- ⊗ Low-Level Effective
- ⊗ Active Low-Level for Input
- ⊗ 500mA for Single Drive Current  
User-defined I/O

### 5-inch Screen

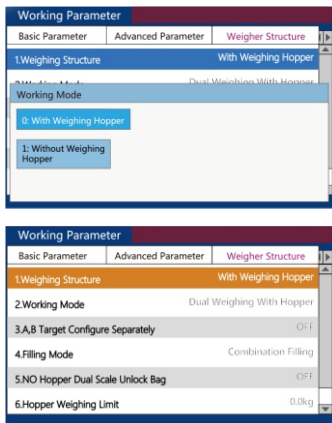


- ⊗ Easy Operation
- ⊗ Elegant Appearance

Note: MO4 with Single Hopper: 8 Input/12 Output, MO4 with Double Hopper: 12 Input/17 Output

## Version Features

Multi-Mode Supporting the hopper/non-hopper mode and the double scale inter-locking mode (two controllers working synchronously)



- ⊗ Supporting I/O tests, easy for product debugging
- ⊗ Batch setting function, patting bags function, suitable for packaging powder materials
- ⊗ Automatic three material speed feeding control, with optional manual slow feeding function
- ⊗ Multiple digital filtering to improve the anti-interference capability of the packaging scale
- ⊗ Multiple levels of operating permissions, such as users, administrators and system administrator
- ⊗ Feed control function, convenient for controlling the connection between packaging scale and feeding equipment



Administrator	
1.Recipe	Indicator has 40 recipe memories from 01 to 40. Each recipe includes many parameters. User can according set and edit the value.
2.Working Parameter	
3.Punch/lock	
4.Motor Parameter	
5.Calibration	
6.ACIUM And Batch	Recipe ID
7.I/O Module	02
8.Serial Port	Target
9.User Management	0.0kg
10.System Info	Button 1 ← Choose Recipe

## Database

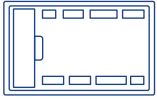
It can store 20/40 groups of recipes. For each recipe, the target value, fast/slow feeding mode, drop value and other parameter scan be set up manually

System Info	
Shortcut Setting	Other Setting
1.Button 1	Working
2.Button 2	Calibration
3.Button 3	Batch
4.Button ←	Target
5.Button 4	System Info
6.Button 5	Recipe ID

## Button Function

The one-click button can be set for recipe selection, batch setting, parameter calibration, etc.

## I/O Port

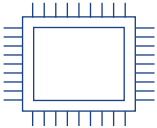


**MO-4 8 Input/ 12 Output**  
**MO-4 D 12 Input/ 17 Output**  
 For starting, stopping, feeding, unloading, clamping/loosening bags, etc.



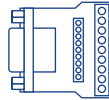
## USB

For importing and exporting recipes, works, I/O function communication and other parameters, upgrading system software, customizing boot screen, etc.



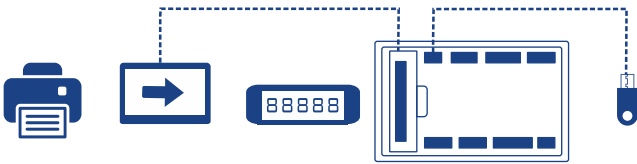
## ModbusTCP

For connecting PC, PLC, Printers, etc., for reading remotely.



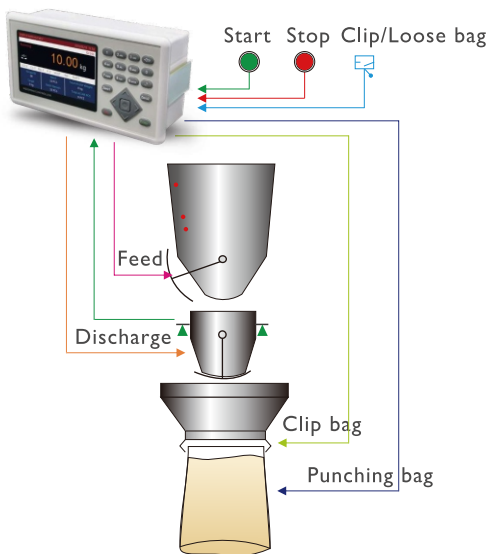
## RS485+RS232

For connecting PC, PLC, Printer, Label Printer, Remote Display, Code Printer, or other external devices, for reading and setup remotely.

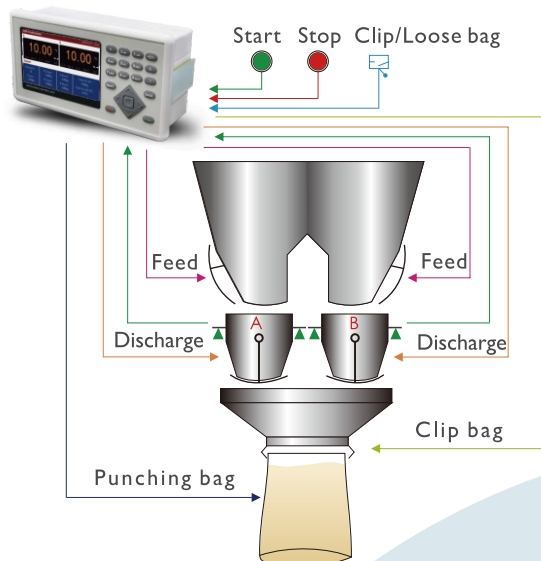


## Application Schematic Diagram

### MO4



### MO4-D



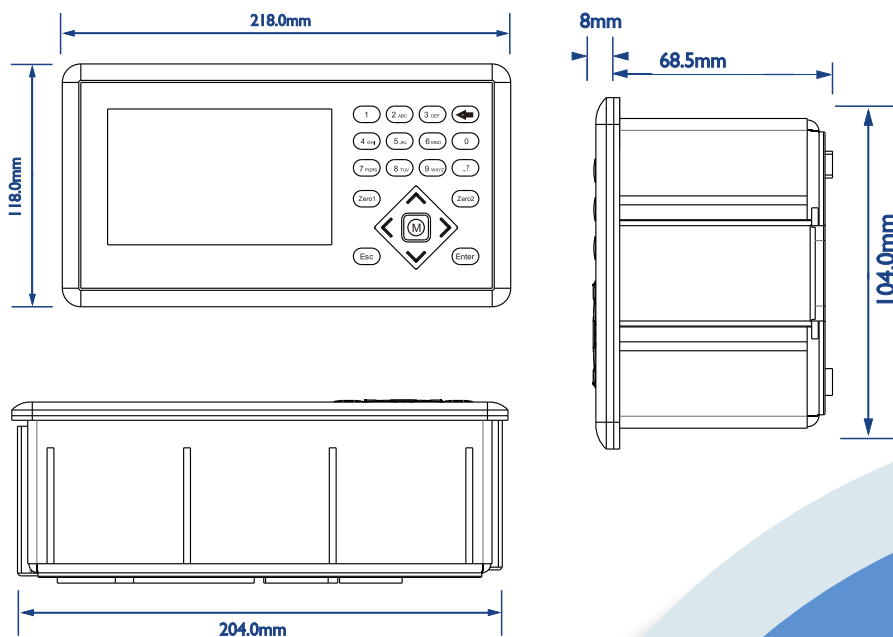
## General Specification

Model	MO4 & MO4-D
Power Supply	AC90-260V 50Hz(or 60Hz)
Operating Temperature	-10 to 40°C
Maximum Humidity	90% R.H without dew
OIML Standard	OIML R76: Class 111 6000 divis. 1 $\mu$ V/d
Power Consume	About 15W
IP Level	Front panel IP6S

## A/D Converter

Type	24-bit Sigma-Delta
Conversion Rate	120/240/480/960/ SPS
Non-Linear	0.01% FS
Gain Drifting	10PPM/°C
Minimum Sensitivity	0.02 $\mu$ V/d
Analog Input Range	0.02mV -15mV
Display Accuracy	1/100000
Power Source for Load Cell	DC5V 125mA (Max)
Input Resistance	10M $\Omega$
Zero Point Adjustment Range	0.02~8mV (when the transducer is 2mV/V.)

## Dimensions



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