

# M04

## Weighing Controller Plastic Version



M04 weighing controller is designed for dynamic weighing applications like: packing, bulking, and liquid filling, widely used in grain and seeds, feeds, fertilizer, cement and concrete, and the chemical industries.

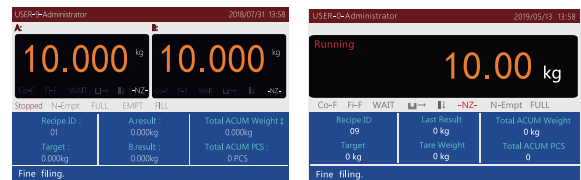
## DESCRIPTION



### Application Software

#### Multiple Software Selections:

- M04-2 Simplex packing; • M04-D Duplex packing;
- M04-4 Reduce weight method packing; • M04-5 Bulk Scale (continuous weighing);
- M04-6/6D Liquid filling(simplex/duplex);



### Highlight Features

#### Button Functions

Quick access key can be set to facilitate formulation selection, batch setting, parameter calibration and other operations.

#### Auxiliary logic programming function

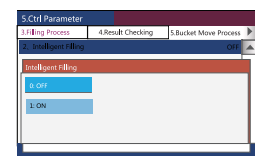
Up to 6 sets of logic trigger signals can be defined and simple logic signal output can be configured to control the upper barrel, gland, coding and other auxiliary devices.

#### Database

It can store 20 groups of recipes. For each formula can input target value, fast/slow feed drop value and other parameters.

#### Intelligent feeding control

Automatic adjustment of fast feeding, slow feeding, filling scale speed and accuracy to achieve the best.



### Multiple Communication Methods

- RS232 + RS232/RS485 selectable;
- M04-2, M04-4, M04-5, M04-6: 8 Inputs/12 Outputs  
M04-D, M04-6D: 12 Inputs/17 Outputs for starting, stopping, zeroing, clamping/loosening bags, etc.;
- Modbus TCP for connecting PC, PLC, printer etc. (M04-2 & M04-5);
- USB for importing and exporting data or working parameters, upgrading software or customizing boot screen.;



# M04

## Weighing Controller Stainless Steel Version



M04 weighing controller is designed for dynamic weighing applications like: packing, bulking, and liquid filling, widely used in grain and seeds, feeds, fertilizer, cement and concrete, and the chemical industries.

## DESCRIPTION



### Application Software

#### Multiple Software Selections:

- M04-2 Simplex packing;
- M04-D Duplex packing;
- M04-4 Reduce weight method packing;
- M04-5 Bulk Scale (continuous weighing);
- M04-6/6D Liquid filling(simplex/duplex);



### Industrial Design

- Stainless steel case, robust and durable;
- 5-inch LCD screen plus button input, user-friendly operation;
- 20 species formula for different weight ranges and materials packing;



### Multiple Communication Methods

- RS232 + RS232/RS485 selectable;
- M04-2, M04-4, M04-5, M04-6: 8 Inputs/12 Outputs  
M04-D, M04-6D: 12 Inputs/17 Outputs for starting, stopping, zeroing, clamping/loosening bags, etc.;
- Modbus TCP for connecting PC, PLC, printer etc. (M04-2 & M04-5);
- USB for importing and exporting data or working parameters, upgrading software or customizing boot screen.;

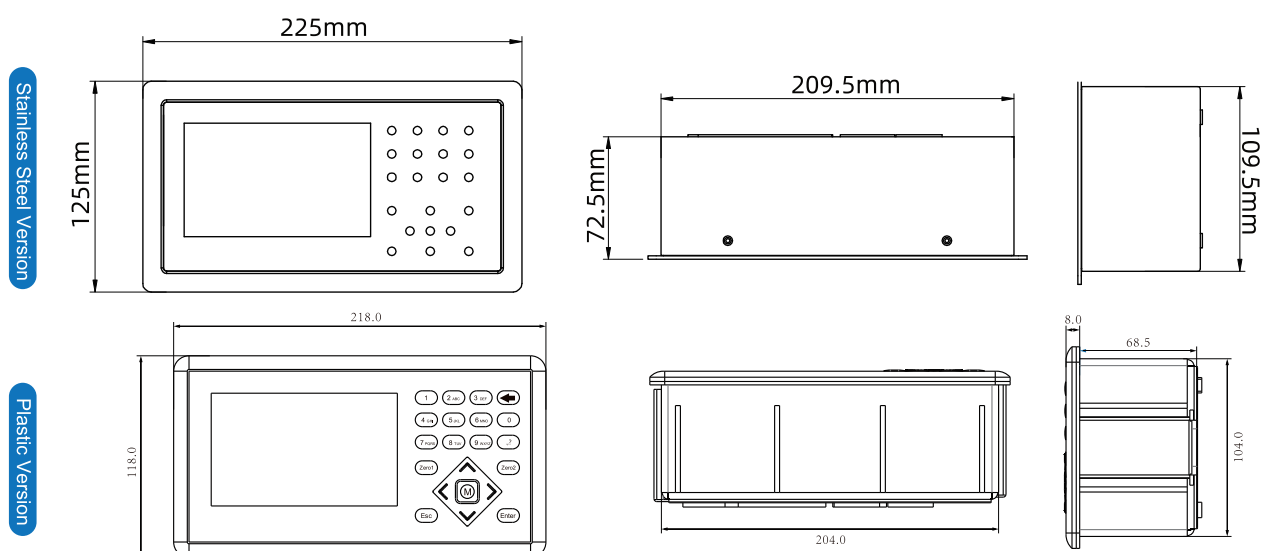


## Standard Specification

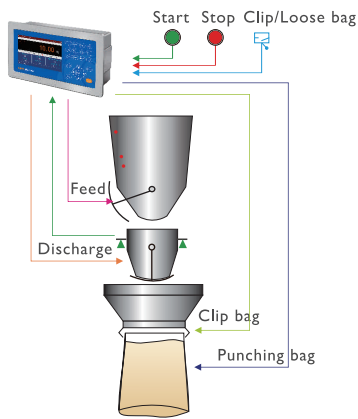
|                        |                                                                                                                                                                                                                                                                    |                                       |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| General Specifications | Model                                                                                                                                                                                                                                                              | M04                                   |
|                        | Power supply                                                                                                                                                                                                                                                       | AC 90~260V 50Hz(60Hz) $\pm 2\%$       |
|                        | Working temperature                                                                                                                                                                                                                                                | -10°C~40°C                            |
|                        | Maximum humidity                                                                                                                                                                                                                                                   | 90% R.H without dew                   |
|                        | Testing standards                                                                                                                                                                                                                                                  | Class III 6000 e, 1 $\mu$ V/e         |
|                        | IP grade                                                                                                                                                                                                                                                           | Ip65 ( front panel )                  |
| A/D Conversion         | A/D performance                                                                                                                                                                                                                                                    | 24 bit Delta-Sigma                    |
|                        | A/D conversion speed                                                                                                                                                                                                                                               | 120/240/480/960 times/sec             |
|                        | Non-linearity                                                                                                                                                                                                                                                      | 0.01%FS                               |
|                        | Gain drift                                                                                                                                                                                                                                                         | 10PPM/°C                              |
|                        | Input sensitivity                                                                                                                                                                                                                                                  | 0.02 $\mu$ V/d                        |
|                        | Display accuracy                                                                                                                                                                                                                                                   | 1/100,000                             |
|                        | Input range                                                                                                                                                                                                                                                        | 0.02~15mV                             |
|                        | Sensor power supply                                                                                                                                                                                                                                                | DC5V 125mA(Max)                       |
|                        | Input impedance                                                                                                                                                                                                                                                    | 10M $\Omega$                          |
|                        | Zero steady range                                                                                                                                                                                                                                                  | Maximum 0.002 ~ 15mV(Load Cell 3mV/V) |
| Application Software   | <ol style="list-style-type: none"> <li>1.M04-2 Simplex packing;</li> <li>2.M04-D Duplex packing;</li> <li>3.M04-4 Reduce weight method packing;</li> <li>4.M04-5 Bulk scale (continuous weighing);</li> <li>5. M04-6/6D Liquid filling(simplex/duplex);</li> </ol> |                                       |

## Dimension

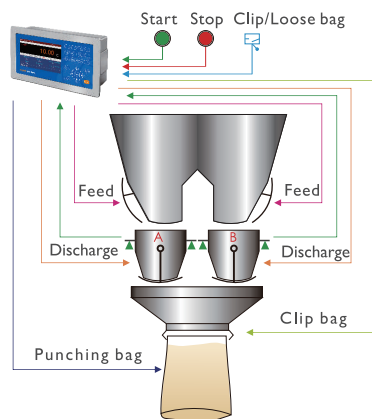
Unit:mm



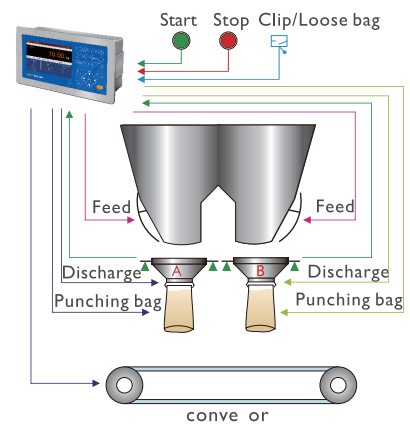
## Application



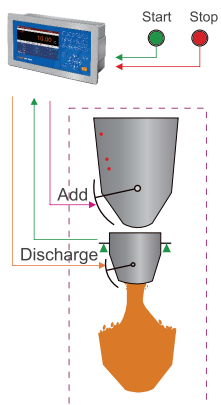
Single Channel Packaging Controller  
with Hopper



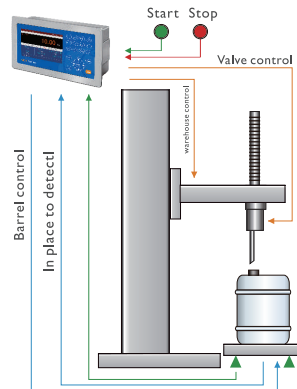
Double Channel Packaging Controller  
with Hopper



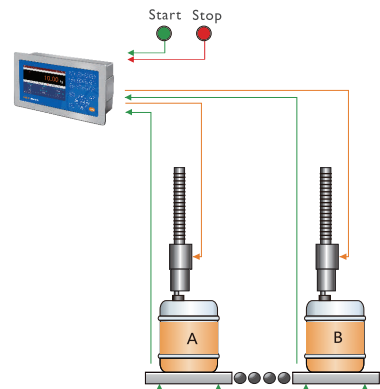
Double Channel Packaging Controller  
without Hopper



Continuous Weighing



Single Nozzle for Liquid Filling Application



Double Nozzle for Liquid Filling Application



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