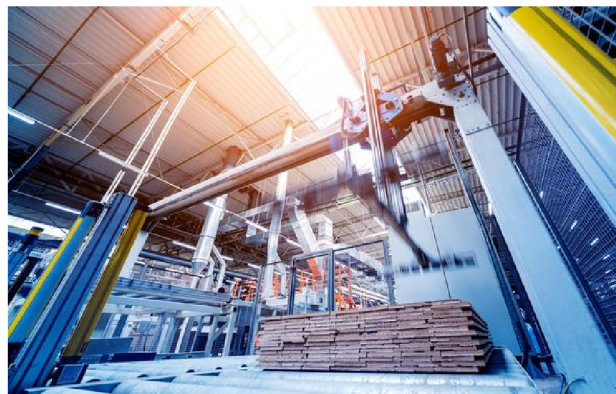


# EM213D

## Digital indicator & controller

EM213D is an industrial-grade weighing indicator & controller, communicate with Runnintech's digital load cells, to achieve fast and accurate weighing; It support chinese or english menu configuration, comprehensive communication interfaces, Panel-mounted into cabinet, and widely used in industrial weighing fields.



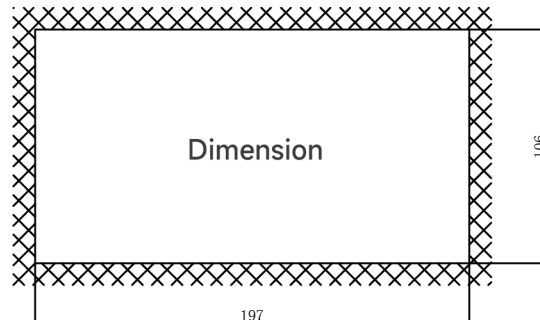
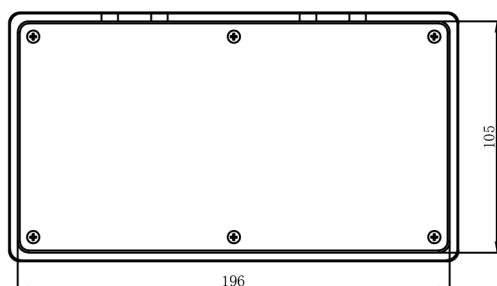
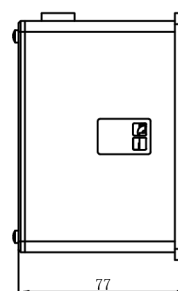
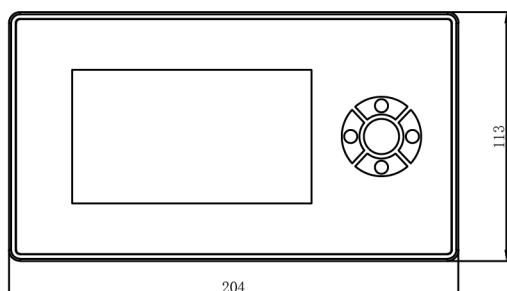
### Key features

- |                                                                                                                           |                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>Color screen display</b>              | <ul style="list-style-type: none"> <li>• 5 inch color screen</li> </ul>                                                                                                                                                      |
|  <b>Compact structure</b>                 | <ul style="list-style-type: none"> <li>• Chinese and english version</li> <li>• 5-key of functions</li> </ul>                                                                                                                |
|  <b>Mounting mode</b>                     | <ul style="list-style-type: none"> <li>• Panel-mounted into cabinet</li> </ul>                                                                                                                                               |
|  <b>Corner error correcting mode</b>     | <ul style="list-style-type: none"> <li>• Automatic</li> </ul>                                                                                                                                                                |
|  <b>Digital load cells' information</b> | <ul style="list-style-type: none"> <li>• Query and diagnosis, check internal code, etc</li> </ul>                                                                                                                            |
|  <b>Communication Protocols</b>         | <ul style="list-style-type: none"> <li>• Digital IO: Standard configuration of 2 inputs /2 outputs</li> <li>• Communication port: Standard configurations of RS232, RS485, EtherNet, analog output (4~20mA/0~10V)</li> </ul> |



### Dimensions

Unit: mm



## Specifications

|                                            |                                                                              |
|--------------------------------------------|------------------------------------------------------------------------------|
| Product model                              | EM213D                                                                       |
| DC Power                                   | 100-240VAC/49-60HZ                                                           |
| Usage temperature                          | -20 ~ +60                                                                    |
| Display screen                             | 5 inch color screen                                                          |
| Number of verification scale intervals (d) | 10000                                                                        |
| Number of indication scale intervals (d)   | 100000                                                                       |
| Number of load cells                       | Up to 4 Runingtech's digital load cells                                      |
| Interface with digital load cell           | CAN                                                                          |
| Protocol                                   | CANOpen                                                                      |
| Encrypting digital load cell               | Available                                                                    |
| Accuracy class                             | III                                                                          |
| KeyPad                                     | 5-key function keyboard                                                      |
| Communication protocol                     | Command output, continuous output, printing; Modbus-RTU, Modbus-TCP          |
| Addressing                                 | Automatic、manual                                                             |
| Calibration method                         | Weight calibration; Weight-free calibration; Remote calibration              |
| Corner error correcting                    | Mechanical adjustment, automatic adjustment via software                     |
| Digital load cells' information            | Available for query and diagnosis, display internal counts of each load cell |
| Capacity                                   | 1-500,000kg (Default 60kg)                                                   |
| Increment size                             | 0.001/0.002/0.005/0.01/0.02/0.05 (Default 0.01)                              |
|                                            | 0.1/0.2/0.5/1/2/5                                                            |
|                                            | 10/20/50/100                                                                 |
| Serial ports                               | 1 way RS232, 1 way RS485 , 1 way EtherNet                                    |
| Baud rate                                  | 1200, 2400, 4800, 9600 (Default) ,19200, 38400, 57600, 115200                |
| DIO interface                              | 2 inputs (optocoupler isolation) / 2 outputs (relay contacts)                |
| Analog output                              | 4~20mA, 0~10V                                                                |
| Weighing Comparator                        | 4 ways                                                                       |
| Enclosure material                         | Stainless steel                                                              |
| Mounting mode                              | Panel-mounted into cabinet                                                   |
| Basic application                          | Industrial weighing fields                                                   |