

EM214D

Digital indicator & controller

EM214D is an industrial-grade weighing indicator & controller, communicate with Runnintech's digital load cells, weighing is more accurate and stable. With 5' IPS color display, the operation is convenient. It supports Chinese or English display and configuration menu. What's more, multi-channel digital IO and various industrial field bus provided. It can be used to many industry weighing fields.



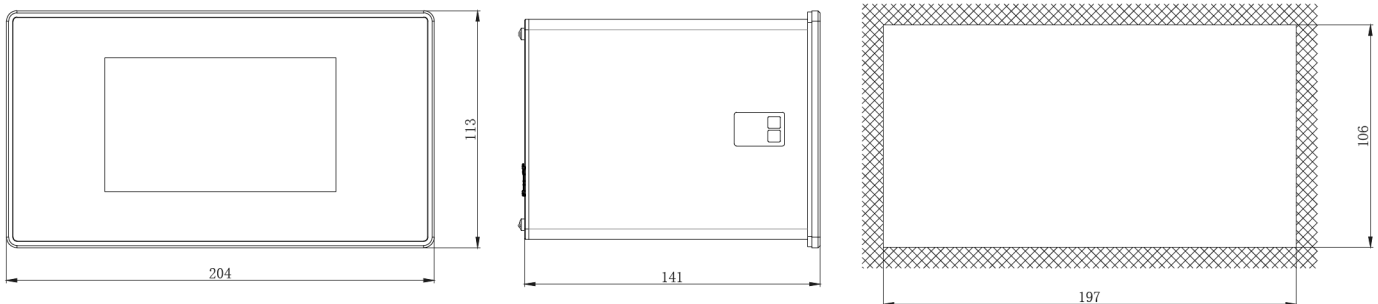
Key features

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|--|---|
|  Color screen display | <ul style="list-style-type: none"> • 5' IPS color display with touch |
|  Easy to use | <ul style="list-style-type: none"> • English/Chinese menu |
|  Install | <ul style="list-style-type: none"> • Panel-mounted |
|  Shift adjust | <ul style="list-style-type: none"> • Auto shift adjust |
|  Load cell information | <ul style="list-style-type: none"> • Query and Diagnosis |
|  Communication Protocols | <ul style="list-style-type: none"> • 4 inputs and 4 outputs • Isolated RS232, RS485, Ethernet • Digital IO extend: 8 inputs and 8 outputs • Analog output: 4~20mA, 0~10V • Industry Field bus: PROFINET, EtherNet/IP, CC-Link IE |
|  Weighing scenarios | <ul style="list-style-type: none"> • With weighing application firmware, applied to Fill/Dose, Package, Check weigh, Lost in weigh |



Dimensions

Unit: mm



Specifications

Product Model	EM214D
Power	100-240VAC/49-60HZ
Usage temperature(°C)	-20 ~ +60
Display screen	5" IPS TFT Color Screen with Touch
Number of verification scale intervals (d)	10000
Number of indication scale intervals (d)	100000
Max number of load cell	Up to 4 Runingtech's digital load cells
Interface with digital load cell	CAN
Protocol	CANOpen
Encrypting digital load cell	Support data encryption
Accuracy class	III
Addressing	Auto or manual
Calibration method	Weight calibration, Remote calibration, calfree calibration
Corner error correcting	Mechanical shift adjust、Electronic auto shift adjust
Digital load cells' information	Availabe for uery and diagnosis, display internal counts of each load cell
Capacity	1-500,000kg (60kg default)
Increment	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 RS232
	1 RS485
Ethernet	1 Ethernet; It supports continuous output and Modbus-TCP
DIO	4 input (optocoupler isolation) / 4 output (relay contact)
Analog output※	4~20mA, 0~10V
DIO Extend board※	8 input (optocoupler isolation) / 8 output (relay contact)
Industrial Field bus board※	PROFINET、EtherNet/IP、CC-Link IE
Enclosure material	Aluminium
Mounting mode	Panel-mounted into cabinet
Basic applications	All kinds of weighing scenarios, e.g: Basic weighing, Packaging、Fill/Dose、Check weigh、Lost in weigh

Note: The list marked with ※is optional, customers need to purchase separately