

EM100/101

Signal Trim Junction Box

EM100/101 signal trim junction box summarizes multiple load cell outputs, to be with great performances of anti-interference, versatile and dust-waterproof. Built-in adjustable resistance is able to adjust corner errors in large-scale. Widely being applied onto many industries, such as productions of food, pharmacy, metal, Chemicals, etc.



Key features

Enclosure materials

- using high-quality stainless steel and famous electrical components. Adjustable precision resistance, high precision, low temperature drift, to ensure long-term stability of the system

Sealing design

- the box cover equipped with silicone sealing ring strengthened, performance of sealing, durability and reliability.

Dust-waterproof

- high IP class, IP68 (2m/2hour)

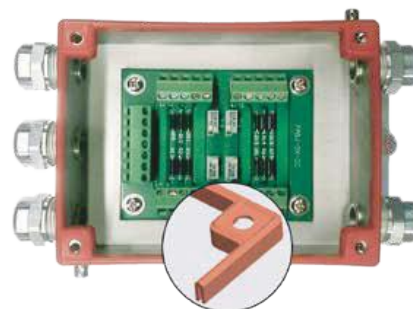
Corrosion-explosionproof

- this safety is explosion-proof

Well-durability

- stainless steel integral molding, the threaded conduit is full-welded to avoid disassembly and loosening.

Ex



Specifications

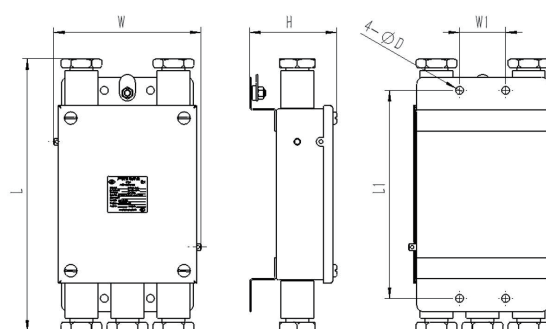
Specifications

Product model	EM100, EM101
Function	Analog/Digital
Explosion-proof ratings	Ex ia IIC T4 Ga; Ex ia IIIC T200 135°C Da
Protection class	IP66/IP68 (2m/2h)
Operating temperature	-20°C ~ 60°C
Relative humidity	≤90% (25°C)
Surface treatment	Drawbench
Materials	304/316L
Cable outlet mode	Nut holder, waterproof connector optional
Number of outlet ports	5(EM100), 7(EM101)
Nut seat outlet specifications	G1/2", M20X1.5
Waterproof joint specification	Thread diameter: φ6-8、φ8-10
Lead sealing device	Optional
Number of load cells	4(EM100), 6(EM101)

Parameters of Intrinsic safety

Excitation voltage	Maximum input voltage (Ui)/V	Maximum input current (Ii)/mA	Maximum input power (Pi)/W	Maximum capacitance (Ci)/uF	Maximum inductance (Li)/mH
5V	5.9	506	0.75	0	0
10V	11.8	363	0.928	0	0
15V	17.3	327	1.18	0	0
Digital type	8.6	300	0.34	0	0
Digital type	30	100	0.3	0	0

Dimensions



Model	External dimensions (mm)			Installation dimensions (mm)		
	L	W	H	L1	W1	φD
EM100	207	112	66	158	35	4-φ6
EM101	207	202	65	218	35	4-φ6