

Type AM-103 Load Cell(Membrane box sensor)



Short Description

Stainless Steel IP67 Membrane box sensor load cell · High stability· Can be installed in a small space· Can be non-standard customized· Anti-interference signals are stable· Quality stainless steel· widely used in automobile compression,automatic assembly, 3C productionProduct testing, new energy product assembly, medical testing, machine Maker field, mold assembly and other industrial testing, since Field of dynamic equipment and testing

Available Models

P/N	Capacity	Accuracy	Full Article Description
72208880-1201	5kg	C3	AM-103-5kg-C3
72208880-1211	10kg	C3	AM-103-10kg-C3
72208880-1221	15kg	C3	AM-103-15kg-C3
72208880-1231	20kg	C3	AM-103-20kg-C3
72208880-1241	30kg	C3	AM-103-30kg-C3
72208880-1251	50kg	C3	AM-103-50kg-C3
72208880-1261	60kg	C3	AM-103-60kg-C3
72208880-1271	100kg	C3	AM-103-100kg-C3
72208880-1281	200kg	C3	AM-103-200kg-C3
72208880-1291	300kg	C3	AM-103-300kg-C3
72208880-12101	500kg	C3	AM-103-500kg-C3

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Technical Specifications

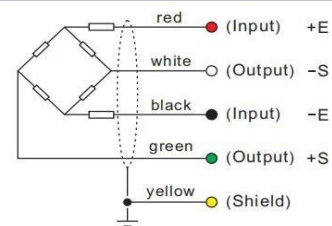
Accuracy Class		OIML R60 C3
Output Sensitivity (= FS)	mV/V	2.0 ± 0.2
Maximum Capacity (Emax)	kg	5,10,15,20,30,50,60,100,200,300,500kg
Max. Number of Load Cell Intervals	nLc	3000
Ratio of min. LC Verification Interval	Y = Emax / vmin	10000
Combined Error	%FS	≤± 0.0230
Minimum dead load	Of Emax	0%
Safe overload	of Emax	150 %
Ultimate overload	of Emax	300 %
Zero balance	of FS	< ± 2.0 %
Excitation, recommended voltage	V	5 ~ 12
Excitation maximum	V	18
Input resistance	Ω	350 ± 15
Output resistance	Ω	350 ± 3.5
Insulation resistance	MΩ	≥5000 (at 50VDC)
Compensated temperature	°C	-10 ~+40
Operating temperature	°C	-35 ~ +65
Storage temperature	°C	-40 ~ +70
Element material		stainless steel
Ingress Protection (acc. to EN 60529)		IP67
Recommended torque on fixation bolts	Nm	

Wiring

Features:

- Shielded, 4 conductor cable.
- Cable diameter: Ø5.3mm.
- Standard cable length: 2m.
- Shield connected to element.
- Cable jacket in PVC.

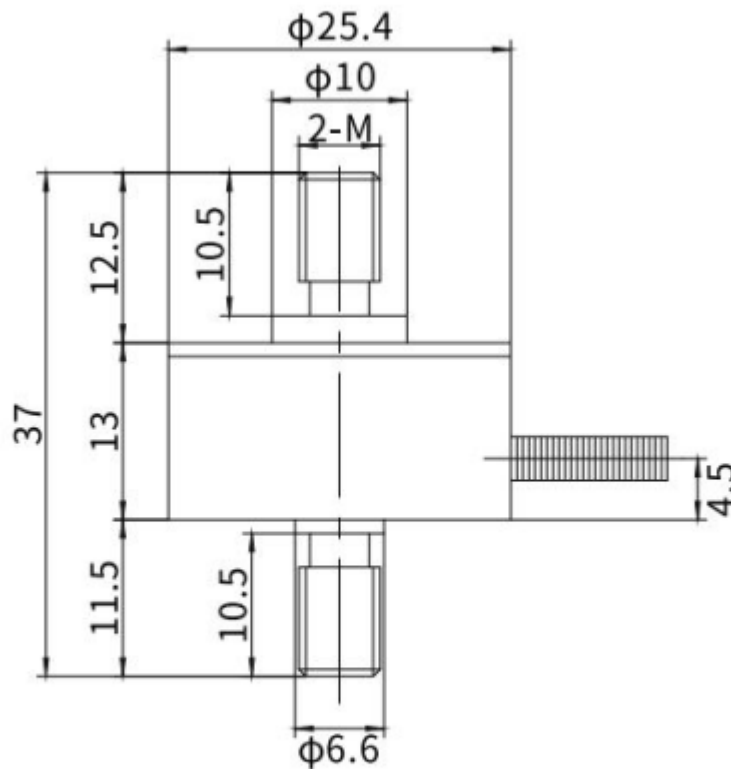
Mode of Connection



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Dimensions in mm

Product Size Fig	
Unit:	mm



Range (kg)	M
1-50	M5
60-100	M6
200-500	M8