



Description:

- Stainless steel IP68 single point load cell
- Suitable for single load cell structured platform scales
- High accuracy
- Maximum platform size: 600 x 600 mm

Available models:

Capacity	Accuracy	Full article description
50kg	C3	BM6E-C3-50kg-2B
200kg	C3	BM6E-C3-200kg-2B
300kg	C3	BM6E-C3-300kg-2B

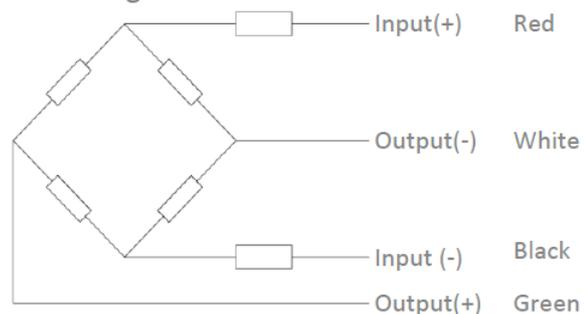
Detailed specifications:

Accuracy class		C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.2
Maximum capacity (Emax)	kg	50, 200, 300 250
Max.number of load cell intervals	nLC	3000 4000 5000
Ratio of min. LC verification interval	Y = Emax / vmin	10000 15000 20000
Combined Error	%FS	≤± 0.0230 ≤± 0.0175 ≤± 0.0140
Minimum dead load	Of Emax	0%
Safe overload	of Emax	150 %
Ultimate overload	of Emax	300 %
Zero balance	of FS	< ± 1.5 %
Excitation, recommended voltage	V	5 ~ 12
Excitation maximum	V	18
Input resistance	Ω	350 ± 3.5
Output resistance	Ω	351 ± 2.0
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)		IP68
Recommended torque on fixation bolts	Nm	M6: 10
Corner correction		0.02% load value / 100mm

Wiring:

- Shielded cable, 4 conductor cable.
- Cable diameter: Ø5mm.
- Standard cable length: 2m.
- Shield not connected to element

4-wire diagram



Dimensions in mm:

