



## OFF CENTER LOAD CELL TYPE BM6G

### APPLICATIONS:

Off center load cell type BM6G can be used in small capacity weighing systems.

Some applications are:

- Suitable for Platform, belt scale, and other weighing systems.
- Stainless Steel, single point load cell.

### MAIN FEATURES:

- Hermetically sealed.
- IP69K
- Max. Platform size: 800x800mm (10-500Kg).
- Max. Platform size: 400x400mm (10-50Kg).



**NOMINAL LOAD:** C3 - SE: 10-20-50 Kg

C3: 10-20-50-75-100-200-300-400-500 Kg

C4: 10-20-50 Kg

C5: On Request

### SPECIFICATIONS:

Accuracy Class		OIML C3	OIML C4	OIML C5
Output Sensitivity (=FS)	mV/V	2.0 ± 0.2		
Max. Capacity	Kg			
Max. Number of Load Cell Intervals		3000	4000	5000
Ratio of min. LC Verification Interval		10000	15000	20000
Min. Dead Load Output Return	Z	3000	4000	5000
Combined Error	%FS	≤ ±0.020	≤ ±0.0175	≤ ±0.014
Min. Dead Load	Kg	0		
Safe Overload	Of E <sub>max</sub>	150%		
Ultimate Overload	Of E <sub>max</sub>	300%		
Zero Balance	Of FS	≤ ±2.0%		
Excitation, recommended Voltage	V	5 – 12		
Excitation Max.	V	18		
Input Resistance	E <sub>max</sub> Kg Ω	10,20,50 380 ± 15	100,150,200,300,400,500 350 ± 3,5	
Output Resistance	Ω	350 ± 3,5		
Insulation Impedance	M Ω	≥ 5000 (at 50VDC)		
Temp. Range, Compensated	°C	-10 ~ +40		
Temp. Range, Operatine	°C	-35 ~ +65		
Element Material		Stainless Steel 1.4548		
Recommended Torque on Fixation Bolts	Nm	IP68/IP69K		
Ingress Protection		10-50Kg: 10    100-500Kg: 20		
ATEX Classification		II1G Ex ia II1C T4	II1D Ex iaD 20 T73°C	II3G nL IIC T4

Note1: 10Kg capacity only available with PTB approval. PTB certificate D09-10.06 revision 1, C of C R60/2000 DE1-10.02

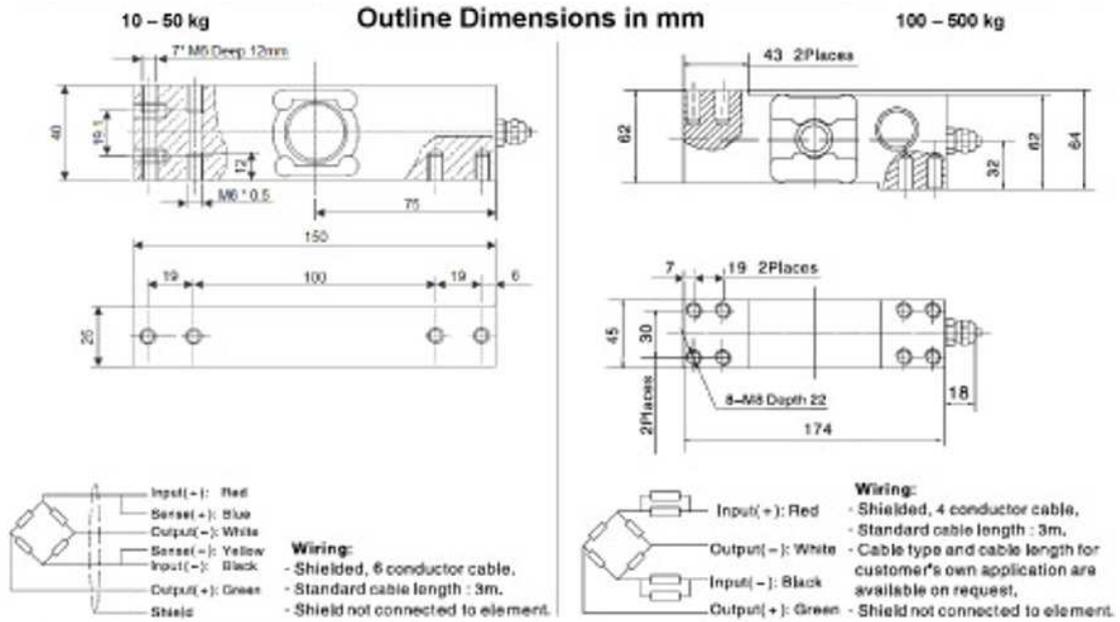
Note2: 10,20,50Kg also available with C4MR approval, Y=40000, Z=6000 with PTB certificate D09-10.06 revision 1, C of C R60/2000 DE1 10.02

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**HOW TO ORDER:**

	<b>Accuracy</b>	<b>Part-Number</b>
10 Kg	Cx/C4 MR	BM6G-Cx-10Kg-3B6
20 Kg	Cx/C4 MR	BM6G-Cx-20Kg-3B6
50 Kg	Cx/C4 MR	BM6G-Cx-50Kg-3B6
100 Kg	Cx	BM6G-Cx-100Kg-3B6
150 Kg	Cx	BM6G-Cx-150Kg-3B6
200 Kg	Cx	BM6G-Cx-200Kg-3B6
300 Kg	Cx	BM6G-Cx-300Kg-3B6
400 Kg	Cx	BM6G-Cx-400Kg-3B6
500 Kg	Cx	BM6G-Cx-500Kg-3B6