



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 _{max}		150%	
Ultimate Overload	Of E _{max}		300%	
Zero Balance	Of FS		≤ ±2.0%	
Excitation, recommended Voltage	V		5 – 12	
Excitation Max.	V		18	
Input Resistance	E _{max} 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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