

BM6G



- Stainless steel IP68/IP69k single point load cell
- Suitable for platform, belt scales and other weighing devices
- Maximum platform size 800 x 800mm (for 100– 500 kg)
- Maximum platform size 400 x 400mm (for 10 – 50 kg)
- 10kg only available with PTB certificate D09–10.06 Revision 1 of C R60/2000 DE1–10.02
- 10kg, 20 kg, 50 kg also available with C4MR approval with PTB certificate D09–10.06 revision 1, C of C R60/2000 DE1–10.02 (Y=40000 Z=6000)



OIML test certificate no. TC8040 revision 0
C of C no R60/2000–NL1–11.29

NTEP Certificate no. 12–017

Available models

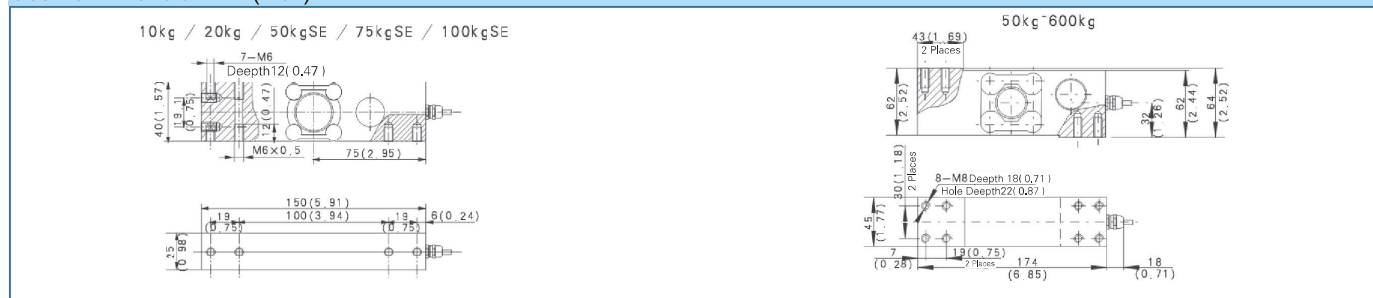
Capacity	Accuracy	Full article description
10 kg	C3 / C4 MR	BM6G–C3/C4MR–10kg–3B6
20 kg	C3/C4 /C5/C4MR	BM6G–C3/C4/C5/C4MR–20kg–3B6
50 kg	C3/C4 /C5/C4MR	BM6G–C3/C4/C5/C4MR–50kg–3B6
50 kg	C3/C4 /C5/C4MR	BM6G–C3/C4/C5/C4MR–50kgSE–3B6
75 kg	C3/C4/C5	BM6G–C3/C4/C5–75kgSE–3B6
100 kg	C3/C4/C5	BM6G–C3/C4/C5–100kgSE–3B6
100 kg	C3/C4/C5	BM6G–C3/C4/C5–100kg–3B6
150 kg	C3/C4/C5	BM6G–C3/C4/C5–150kg–3B6
200 kg	C3/C4/C5	BM6G–C3/C4/C5–200kg–3B6
300 kg	C3/C4/C5	BM6G–C3/C4/C5–300kg–3B6
400 kg	C3/C4/C5	BM6G–C3/C4/C5–400kg–3B6
500 kg	C3/C4/C5	BM6G–C3/C4/C5–500kg–3B6
600 kg	C3/C4/C5	BM6G–C3/C4/C5–600kg–3B6

Specifications

Capacity	kg	10 / 20 / 50 / 60/75 / 100 / 150 / 200 / 300 / 400 / 500/ 600			
Accuracy		C3	C4	A6M	A6S
Accuracy class		OIML R60 C3	OIML R60 C4		
Maximum number of verification intervals	nmax	3000	4000		
Maximum number of load cell intervals (nLC)	vmin	E _{max} /10000	E _{max} /15000	E _{max} /15000	E _{max} /20000
Combined error	(%FS)	≤ ± 0.0200	≤ ± 0.0173	≤ ± 0.0113	≤ ± 0.009
Creep	%FS/30min	≤ ± 0.0245	≤ ± 0.0184	≤ ± 0.0184	≤ ± 0.008
Temperature effect on sensitivity	%FS/10°C	≤ ± 0.0117	≤ ± 0.0088	≤ ± 0.0088	≤ ± 0.006
Temperature effect on zero	%FS/10°C	≤ ± 0.0140	≤ ± 0.0093	≤ ± 0.0093	≤ ± 0.007
Output sensitivity (= FS)	mV/V	2.0 ± 0.2			
Terminal resistance, input	Ω	10kg/20kg/50kgSE/75kgSE/100kgSE		50kg–600kg	
		380 ± 15		350 ± 3.5	
Terminal resistance, output	Ω	351 ± 3.5			
Insulation impedance	MΩ	≥ 5000(50VDC)			
Zero balance	%FS	± 2.0			
Temperature, compensated	°C	–10~+40			
Temperature range, operating	°C	–35~+70			
Excitation, recommended voltage	V	5~12(DC)			
Excitation maximum	V	18(DC)			
Safe overload	%FS	150			
Ultimate overload	%FS	300			
Recommended Installation Torque	N.m	10kg/20kg/50kgSE/75kgSE/100kgSE		50kg–600kg	
		10		20	
Ingress Protection (according to EN 60529)		IP68/IP69K			
ATEX classification (optional)		II1G Ex ia II1C T4	II1D Ex iaD20 T73°C		II3G Ex nL II C T4

Note: "S1" Output Sensitivity is 2.0+/-0.002mv

Outline Dimension mm(inch)



Wiring

