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)

Certificate no. 12–017

test certificate no. TC8011 revision 0
C of C no R60/2000–NL1–11.29

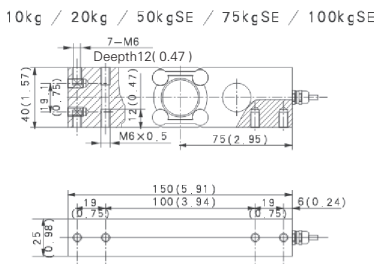
Available models

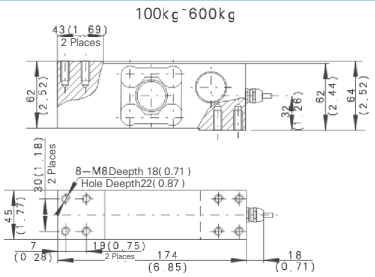
xxkg	C3/C3MR/C4MR/A6S/A6M/B10S/B10M	BM6G–xx–xxkg–3B
xxkg	C3/C3MR/C4MR/A6S/A6M/B10S/B10M	BM6G–xx–xxkg–3B–S1
NTEP A6S/A6M/B10S/B10M Certificate (20kg–500kg) OIML Certificate (10kg–500kg C3/C3 MR Class) OIML Certificate (10Kg–50kg C4 Class)		

Specifications

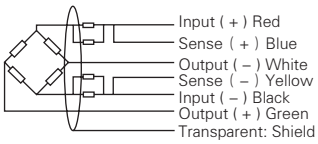
Capacity	kg	10 / 20 / 50 / 60/75 / 100 / 150 / 200 / 300 / 400 / 500/ 600			
Accuracy		C3	C4	A6M	A6S
Accuracy class		OIML R60 C3	OIML R60 C4		
Maximum number of load cell intervals (nLC)		3000	4000		
Ratio of minimum LC verification interval Y = E_{max} / v_{min}		10000	15000	15000	20000
Combined error	%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℃	± 0.0117	± 0.0088	± 0.0088	± 0.006
Temperature effect on zero	%FS/10℃	± 0.0140	± 0.0093	± 0.0093	± 0.007
Output sensitivity (= FS)	mV/V	2.0 ± 0.2			
Input resistance	Ω	10kg/ 20kg/ 50kgSE/ 75kgSE/ 100kgSE			100kg~600kg
		380 ± 15			350 ± 3.5
Output resistance	Ω	351 ± 3.5			
Insulation resistance	MΩ	⩾ 5000(50VDC)			
Zero balance	%FS	± 2.0			
Compensated temperature	℃	–10~+40			
Operating temperature	℃	–35~+65			
Storage temperature	℃	–40 ~ +70			
Excitation, recommended voltage	V	5~12(DC)			
Excitation maximum	V	18(DC)			
Safe overload	%FS	150			
Ultimate overload	%FS	300			
Recommended torque on fixation	N.m	10kg/20kg/50kgSE/75kgSE/100kgSE			100kg~600kg
		10			20
Ingress protection (according to EN 60529)		IP68/IP69K			
ATEX classification (optional)		II1G Ex ia II1C T4	II1D Ex iaD20 T73℃		II3G Ex nL II C T4
Note: "S1" output sensitivity is 2.0 ± 0.002mV/V					

Outline Dimension mm(inch)





Wiring



- Adopt shielded, 6 conductor cable: Φ5mm
- Standard cable length: 3m