BM6A



- Stainless steel IP68 single point load cell
- Suitable for platform, belt scales and other weighing devices
- Hermetically sealed
- Maximum platform size: 350 x 350 mm

test certificate no. TC7834 revision 1 C of C no R60/2000–NL1–10.32

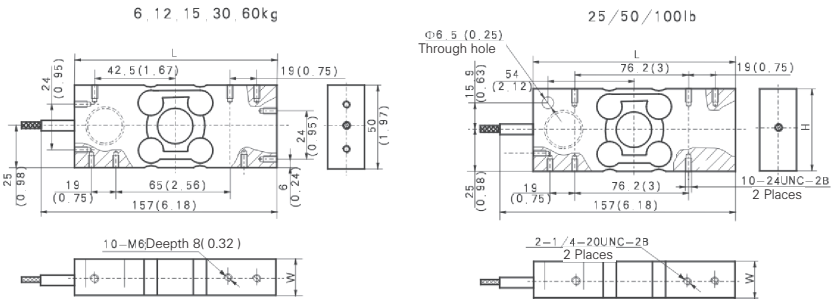
Available models

xxkg	C3	BM6A–C3–xxkg–3B
xxkg	C3	BM6A–C3–xxkg–6B6
xxkg	C3	BM6A–C3–xxkg–3B–S1
xxkg	C3	BM6A–C3–xxkg–6B6–S1
xxlb	C3	BM6A–C3–xx–6YB6
xxlb	C3	BM6A–C3–xx–3YB
OIML Certificate (6Kg–60Kg C3 Class) "S1" Output Sensitivity is 2.0+/–0.002mv Inch Model Output Sensitivity is 3.0 ± 0.2mV/V		

Specification

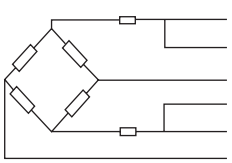
Maximum capacity (E_{max})	kg	6/12/15/30/60		
	lb	25/50/100		
Accuracy class		C3		
Maximum number of load cell intervals (nLC)		3000		
Ratio of minimum LC verification interval Y = E_{max} / vmin		10000		
Combined error	%FS	± 0.020		
Creep	%FS/30min	± 0.016		
Temperature effect on sensitivity	%FS/10℃	± 0.011		
Temperature effect on zero	%FS/10℃	± 0.015		
Output sensitivity (= FS)	mV/V	3.0 ± 0.008		
Input resistance	Ω	400 ± 20		
Output resistance	Ω	351 ± 2.0		
Insulation resistance	MΩ	⩾ 5000(50VDC)		
Zero balance	%FS	± 1.5		
Compensated temperature	℃	–10 ~ +40		
Operating temperature	℃	–35 ~ +70		
Excitation, recommended voltage	V	5 ~ 12(DC)		
Excitation maximum	V	18(DC)		
Safe overload	%FS	150		
Ultimate overload	%FS	300		
Corner Correction		0.02%load value/100mm		
Recommended torque on fixation	N.m	10		
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD20 T73℃	II3G Ex nL II C T4
Note: "S1" output sensitivity is 2.0 ± 0.002mV/V,input resistance is 384 ± 4				

Dimensions in mm



Capacity \ Dimension	L	H	W
6,12,15,30kg	130(5.12)	50(1.96)	18.5(0.73)
60kg	130(5.12)	50(1.96)	23.5(0.92)
25lb	127.4(5.02)	50(1.96)	18.5(0.73)
50lb	127.4(5.02)	49.7(1.95)	18.5(0.73)
100lb	127.4(5.02)	46.3(1.82)	23.9(0.94)

Wiring



- Shielded cable, 6 conductor cable.
- Cable diameter: Φ6.2mm
- Standard cable length: 6m
- Shield not connected to element