

	Accuracy	Part-Number
10 kg ^{1,2}	Cx / C4 MR ^{1,2}	BM6G-Cx-10kg-3B6
20 kg ²	Cx / C4 MR ²	BM6G-Cx-20kg-3B6
50 kg ²	Cx / C4 MR ²	BM6G-Cx-50kg-3B6
100 kg	Cx	BM6G-Cx-100kg-3B
150 kg	Cx	BM6G-Cx-150kg-3B
200 kg	Cx	BM6G-Cx-200kg-3B
300 kg	Cx	BM6G-Cx-300kg-3B
400 kg	Cx	BM6G-Cx-400kg-3B
500 kg	Cx	BM6G-Cx-500kg-3B



- Stainless steel IP69K single point load cell
- Suitable for platform, belt scales and other weighing devices
- Recommended platform size: 800 x 800 mm (100 – 500 kg)
- Recommended platform size: 400 x 400 mm (10 – 50 kg)

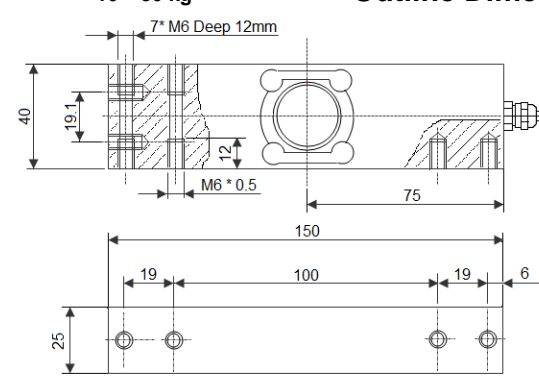
Specifications:

Accuracy class		OIML C3	OIML C4	OIML C5
Output sensitivity (= FS)	mV/V		2.0 ± 0.2	
Maximum capacity (E _{max})	Kg ¹	10 ^{1,2} , 20 ² , 50 ² , 100, 150, 200, 300, 400, 500		
Maximum number of load cell intervals (n _{LC})	N _{LC} ¹	3000	4000	5000
Ratio of minimum LC verification interval Y = E _{max} / V _{min}	Y	10000	15000	20000
Minimum Dead Load Output Return (Z = 1/2 * E _{max} / DR)	Z	3000	4000	5000
Combined Error	%FS	≤ ± 0.020	≤ ± 0.0175	≤ ± 0.014
Minimum 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 maximum	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	MΩ	≥ 5000 (at 50VDC)		
Temperature range, compensated	°C	-10 ~ +40		
Temperature range, operating	°C	-35 ~ +65		
Element material		Stainless steel 1.4548		
Ingress Protection		IP68/IP69K		
Recommended torque on fixation bolts	Nm	10–50 kg: 10	100–500 kg: 20	
ATEX classification		II1G Ex ia II1C T4	II1D Ex iaD 20 T73°C	II3G nL IIC T4

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

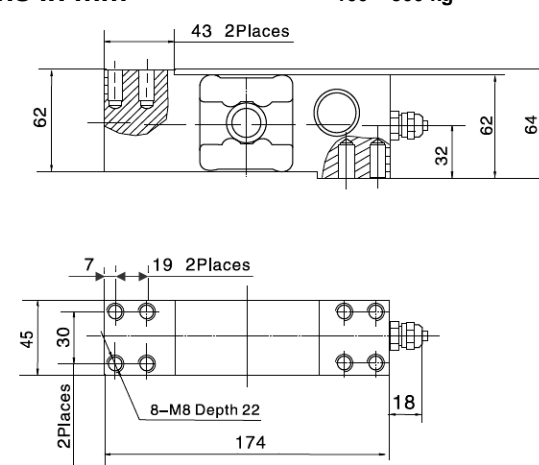
Note 2: 10kg, 20kg and 50kg also available with C4MR approval, Y=40.000, Z=6.000 with PTB certificate D09-10.06 revision 1, C of C R60/2000 DE1-10.02.

10 – 50 kg



Outline Dimensions in mm

100 – 500 kg



Wiring:

- Shielded, 6 conductor cable.
- Standard cable length : 3m.
- Shield not connected to element.

Wiring:

- Shielded, 4 conductor cable.
- Standard cable length : 3m.
- Cable type and cable length for customer's own application are available on request.
- Shield not connected to element.