

BM11



- BM11 load cells are available in the capacities 5kg~500kg.
- Stainless steel construction, welded with bellow, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Single point with bellow, easy installation, suitable for crane scales, mechanical conversion scales, hopper scales and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

Features

- Capacity 5kg~500kg
- High accuracy
- Stainless steel construction
- Low profile
- PTB Approval No: D09-06.44
- NTEP Certificates No: CC07-020

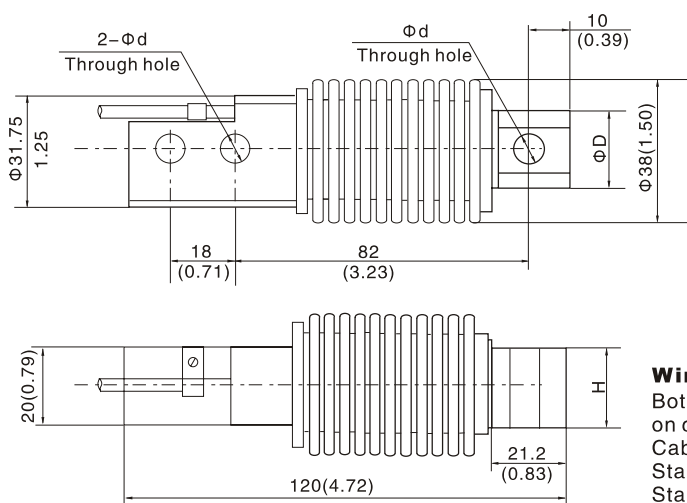
Accessories

- BM-11-401 • BM-11-402

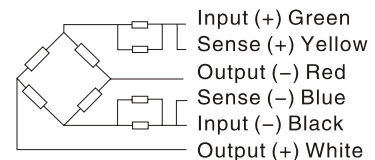
Specifications

Capacity	kg	5/10/20/30/50/100/200/250/300/350/500					
Accuracy		C2	C3	A5S	A5M	B10S	B10M
Approvals			OIML R60 C3		III 5000 Multiple		IIIL 10000 Multiple
Maximum number of verification intervals	n _{max}	2000	3000	5000	5000	10000	10000
Minimum load cell verification interval	v _{min}	E _{max} /5000	E _{max} /10000	E _{max} /15000	E _{max} /15000	E _{max} /10000	E _{max} /10000
Combined error	(%FS)	≤±0.030	≤±0.020	≤±0.018	≤±0.026	≤±0.035	≤±0.050
Creep	(%FS/30min)	≤±0.024	≤±0.016	≤±0.012	≤±0.017	≤±0.030	≤±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤±0.017	≤±0.011	≤±0.009	≤±0.013	≤±0.030	≤±0.040
Temperature effect on zero	(%FS/10°C)	≤±0.023	≤±0.015	≤±0.010	≤±0.014	≤±0.030	≤±0.020
Output sensitivity	(mv/v)	2.0 0.02					
Input resistance	(Ω)	460±50					
Output resistance	(Ω)	351±2.0					
Insulation resistance	(MΩ)	5000(50VDC)					
Zero balance	(%FS)	1.0					
Temperature, compensated	(°C)	-10 +40					
Temperature, operating	(°C)	-35 +70					
Excitation, recommended	(V)	5 12(DC)					
Excitation, max	(V)	18(DC)					
Safe overload	(%FS)	150					
Ultimate overload	(%FS)	300					

Outline Dimension mm(inch)



Dimension	Capacity (kg)		
	5, 10, 20, 30, 50	100, 200, 300	350, 500
d	8.2 (0.32)	10.3 (0.41)	
D	23 (0.91)	24 (0.94)	
H	20 (0.79)	19 (0.75)	



Wiring:

Both 4 and 6 conductor wires are available on customers' requirements.
Cable diameter: $\phi 5 \pm 0.2\text{mm}$
Standard length for 4 conductor cable: 3m
Standard length for 6 conductor cable: 6m

Note: Connection of 6 conductor wires are as above. For 4 conductor wires the yellow and blue sense wires are removed