

# 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

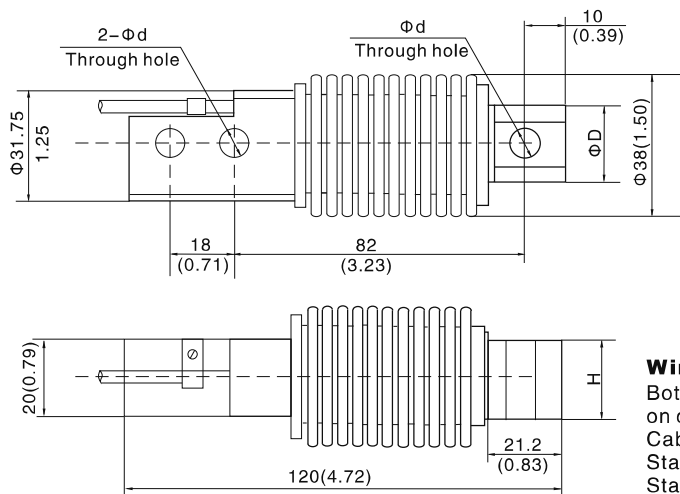
### Accessories

- BM-11-401 • BM-11-402

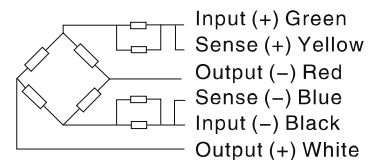


Specifications							
Capacity	kg	5/10/20/30/50/100/200/250/300/350/500					
Accuracy		C2	C3	A5S	A5M	B10S	B10M
Approvals			OIML R60 C3		III 5000 Multiple		IIIL 10000 Multiple
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	5000	5000	10000	10000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /15000	E <sub>max</sub> /10000	E <sub>max</sub> /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~+65					
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:  $\phi 5\phi 0.2\text{mm}$   
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