BM3

- BM3 load cells are available in the capacities 500kg～7.5t.
- Stainless steel, hermetically welded, oil-proof, waterproof and anti-corrosion, suitable for all kinds of environments.
- S beam design, tension and/or compression loading possible, easy installation, suitable for electronic crane scale, hopper scale and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

Features

- Capacity: 500kg ~ 7.5t
- High accuracy
- Stainless steel construction
- Low profile

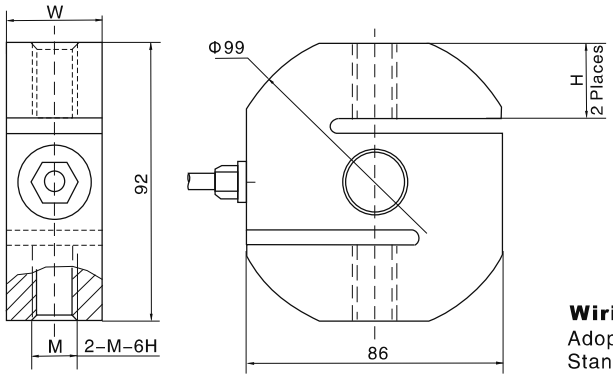
Accessory

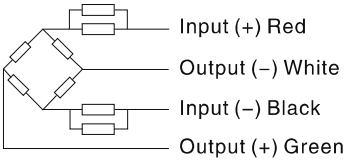
- HL-3-001 • HL-3-002
- HL-3-003 • HL-3-004 • HL-3-005

Specifications

Capacity	t	0. 5/1/2/3/4/5/6/7.5					
Accuracy		C2	C3	A5S	A5M	B10S	B10M
Maximum number of verification intervals	nmax	2000	3000	5000	5000	10000	10000
Minimum load cell verification interval	Vmin	Emax/5000	Emax/10000	Emax/15000	Emax/15000	Emax/10000	Emax/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℃)	≤±0.017	≤±0.011	≤±0.009	≤±0.013	≤±0.030	≤±0.040
Temperature effect on zero	(%FS/10℃)	≤±0.023	≤±0.015	≤±0.010	≤±0.014	≤±0.030	≤±0.020
Output sensitivity	(mv/v)	2.0±0.004					
Input resistance	(Ω)	350±3.5					
Output resistance	(Ω)	351±2.0					
Insulation resistance	(MΩ)	≥5000(50VDC)					
Zero balance	(%FS)	1.5					
Temperature, compensated	(℃)	-10～+40					
Temperature, operating	(℃)	-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)





Wiring:
Adopt shielded, 4 conductor cable: Φ5mm
Standard cable length: 3m(500kg), 6m(1t ~ 7.5t)

Capacity (t) / Dimension (mm)	0.5	1.0	2.0	3.0	4.0	5.0	6.0	7.5
W	32(1.26)	32(1.26)	32(1.26)	32(1.26)	36(1.42)	50(1.97)	50(1.97)	50(1.97)
M	M12 x 1.75	M12 x 1.75	M20 x 1.5	M20 x 1.5	M20 x 1.5	M24 x 2	M24 x 2	M24 x 2
H	25(0.98)	25(0.98)	25(0.98)	25(0.98)	25(0.98)	24(0.94)	24(0.94)	24(0.94)