



Products specification

- ◆ BM3 load cells are available in the capacities 500kg to 7.5t.
- ◆ Stainless steel, hermetically welded, oil proof, waterproof and anti-corrosion, suitable for use in 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.

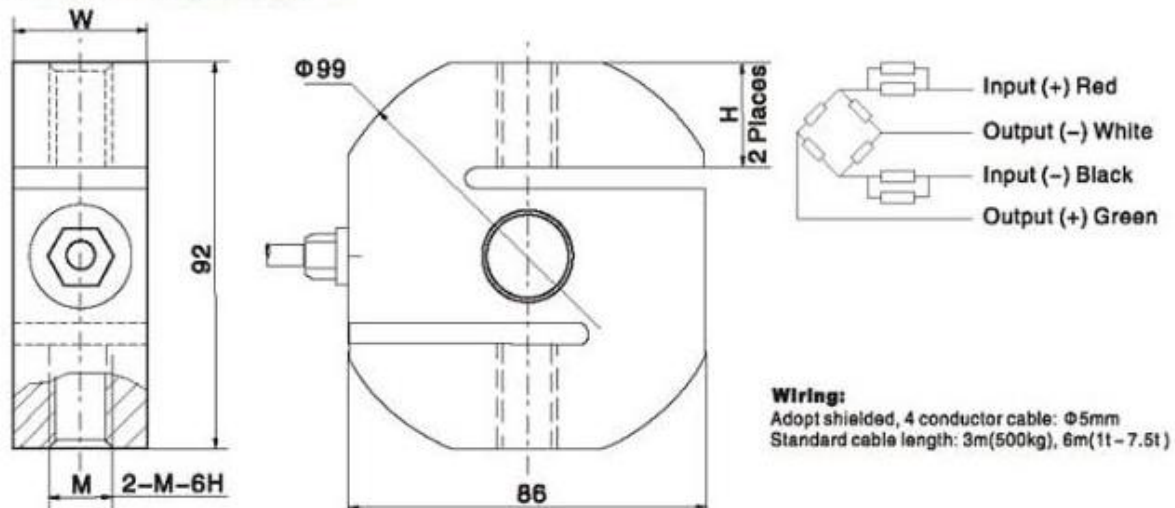
Features

- ◆ Capacities: 500kg to 7.5t.
- ◆ High accuracy.
- ◆ Strainless steel construction.
- ◆ Low profile.

Specifications

Capacity	t	0.5/1/2/3/4/5/6/7.5					
		C2	C3	A5S	A5M	B10S	B10M
Accuracy							
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)	$\leq \pm 0.030$	$\leq \pm 0.020$	$\leq \pm 0.018$	$\leq \pm 0.026$	$\leq \pm 0.035$	$\leq \pm 0.050$
Creep	%FS/30min	$\leq \pm 0.024$	$\leq \pm 0.016$	$\leq \pm 0.012$	$\leq \pm 0.017$	$\leq \pm 0.030$	$\leq \pm 0.040$
Temperature effect on sensitivity	(%FS/10°C)	$\leq \pm 0.017$	$\leq \pm 0.011$	$\leq \pm 0.009$	$\leq \pm 0.013$	$\leq \pm 0.030$	$\leq \pm 0.040$
Temperature effect on zero	(%FS/10°C)	$\leq \pm 0.023$	$\leq \pm 0.015$	$\leq \pm 0.010$	$\leq \pm 0.014$	$\leq \pm 0.030$	$\leq \pm 0.020$
Output sensitivity	(mv/v)	2.0±0.004					
Input resistance	(Ω)	350±3.5					
Output resistance	(Ω)	351±2					
Insulation resistance	(MΩ)	≥ 5000(50VDC)					
Zero balance	(%FS)	1.5					
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)



Capacity(t)	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	M12×1.75	M12×1.75	M20×1.5	M20×1.5	M20×1.5	M24×2	M24×2	M24×2
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)