

Categories: [Transducers and Sensors](#)->[single shear beam](#)
MODEL: BM8H



- ◆BM8H load cells are available for manifold accurate measurement in the capacities 500lb to 10Klb and 0.25t to 5t.
- ◆They offer total strainless steel construction,cover board hermetic sealing,oil-proof,waterproof and anti-corrosion, suitable for multiform environment.
- ◆Single shear beam and easy for installation,it is suitable for electronic truck scale,track scale and other electronic weighing devices.
- ◆It is safety and anti-explosion product that can be used in atrocious weather and hazardous areas.

Important Features

- ◆Capacities:500lb to 10Klb and 0.25t to 5t.
- ◆High accuracy.
- ◆Strainless steel construction.
- ◆Low profile and nice exterior.

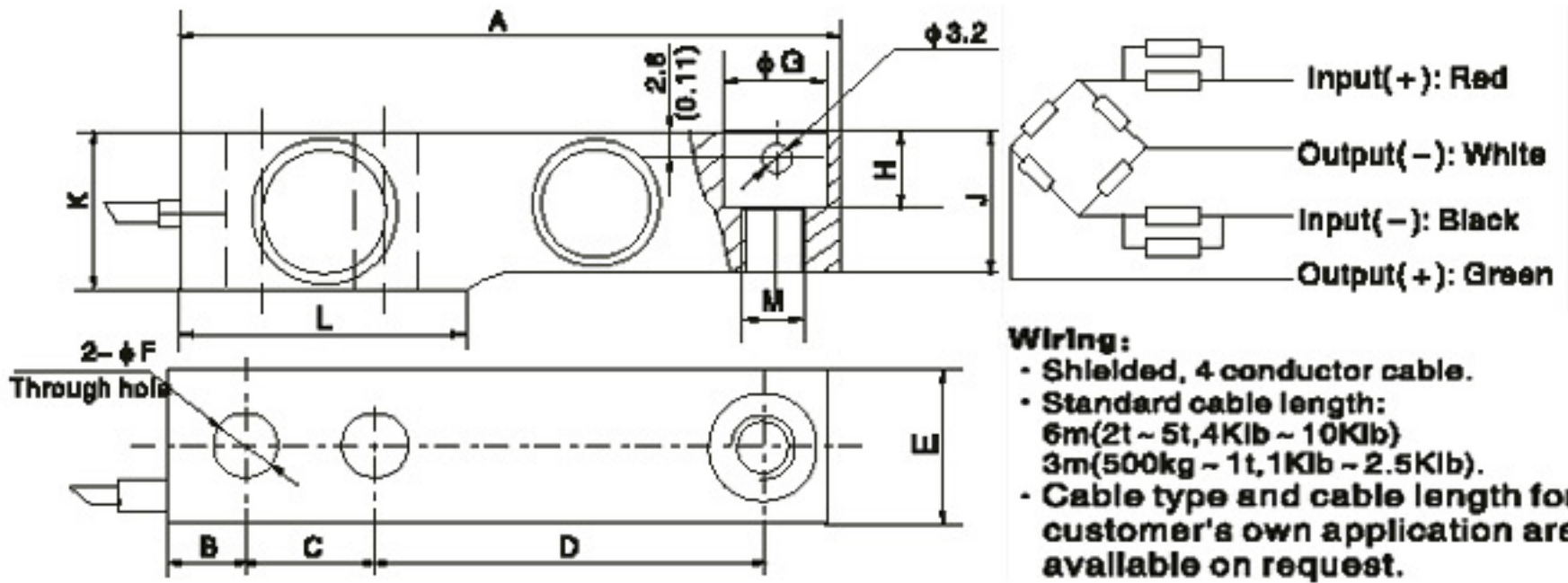
Accessories

BJ-8-206
BJ-8-207
BM-8-406

Specifications

Capacity	t	0.25/0.5/1/2/5				
	lb	500/1K/2.5K/4K/5K/10K				
Accuracy class		C2	C3	C4	A5M	B10M
Maximum number of verification intervals	n max	2000	3000	4000	5000	10000
Minimum load cell verification interval	v min	E _{max} /5000	E _{max} /7500	E _{max} /14000	E _{max} /15000	E _{max} /10000
Combined error	(%FS)	≤±0.030	≤±0.020	≤±0.018	≤±0.026	≤±0.050
Creep	(%FS/30min)	≤±0.023	≤±0.016	≤±0.012	≤±0.017	≤±0.040
Temperature effect on sensitivity	(%FS/10℃)	≤±0.017	≤±0.011	≤±0.009	≤±0.013	≤±0.040
Temperature effect on zero	(%FS/10℃)	≤±0.029	≤±0.019	≤±0.010	≤±0.014	≤±0.020
Output sensitivity	(mV/V)	2.0±0.02				
Input resistance	(Ω)	1000 ±10		350±3.5		
Output resistance	(Ω)	1004 ±5		351±2		
Insulation resistance	(MΩ)	≥ 5000(50VDC)				
Zero balance	(%FS)	1.5				
Temperature, compensated	(℃)	-10~+40				
Temperature, allowed	(℃)	-35~+65				
Excitation, Recommended	(V)	5~12(DC)				
Excitation, Max	(V)	18(DC)				
Safe overload	(%FS)	120				
Ultimate overload	(%FS)	150				

Outline Dimension mm(inch)



Capacity	A	B	C	D	E	F	G	H	J	K	L	M
250kg	130.0	15.7	25.4	76.2	31.3	13	20.5	14	25.3	31.6	57	M12
500lb	(5.12)	(0.62)	(1.0)	(3.0)	(1.23)	(0.51)	(0.81)	(0.55)	(0.99)	(1.24)	(2.24)	1/2-20UNF
500kg	130.0	15.7	25.4	76.2	31.3	13	20.5	14	26.0	31.6	57.1	M12
1Klb	(5.12)	(0.62)	(1.0)	(3.0)	(1.23)	(0.51)	(0.81)	(0.55)	(1.02)	(1.24)	(2.25)	1/2-20UNF
1.0t	130.0	15.7	25.4	76.2	31.3	13	20.5	14	27.95	31.6	57.1	M12
2,2.5klb	(5.12)	(0.62)	(1.0)	(3.0)	(1.23)	(0.51)	(0.81)	(0.55)	(1.1)	(1.24)	(2.25)	1/2-20UNF
1.5,2t	130.0	15.7	25.4	76.2	31.3	13	20.5	14	31.95	35.7	57.1	M12
4,5Klb	(5.12)	(0.62)	(1.0)	(3.0)	(1.23)	(0.51)	(0.81)	(0.55)	(1.26)	(1.41)	(2.25)	1/2-20UNF
5.0t	172.0	19.1	38.1	95.3	37.5	20.4	30.2	19.8	40	43.8	76.2	M20
10Klb	(6.77)	(0.75)	(1.5)	(3.75)	(1.48)	(0.8)	(1.19)	(0.78)	(1.57)	(1.72)	(3.0)	3/4-20UNF