Products specification

◆BM8D load cells are available in the capacities 1Klb to 20Klb and 0.5t to 10t.
◆Strainless steel construction,hermetically welded,oil-proof, waterproof and anti-corrosion gas and mediummaking it suitable for all kinds of environments.
◆Single shear beam,easy for installation ,suitable for electronic platform scales,struck scales and other electronic weighing devices.
◆safe and anti-explosive product,can be used in atrocious environment and hazardous areas.

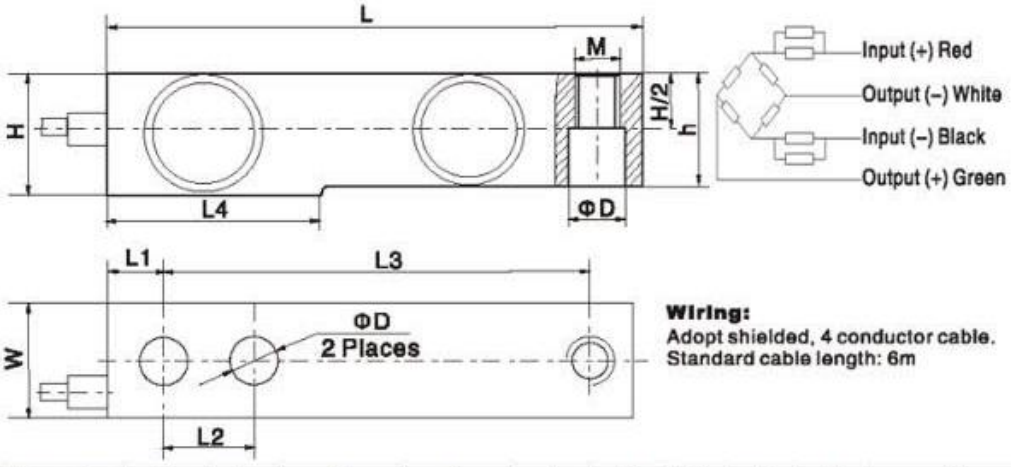
Features

◆Capacity:1Klb to 20Klb and 0.5t to 10t.
◆High accuracy.
◆Strainless steel construction.
◆Low profile.

Specifications

Capacity	t	0.5/1/1.5/2/2.5/3/5/7.5/10			
	Klb	1/1.5/2/2.5/2.5KSE/3/4/5/5KSE/7.5/10/15/20			
Accuracy class		C2	C3	A5M	B10M
Maximum number of verification intervals	n max	2000	3000	5000	10000
Minimum load cell verification interval	v min	Emax/5000	Emax/10000	Emax/15000	Emax/10000
Combined error	(%FS)	≤± 0.030	≤± 0.020	≤± 0.026	≤± 0.050
Creep	(%FS/30min)	≤± 0.024	≤± 0.016	≤± 0.017	≤± 0.040
Temperature effect on sensitivity	(%FS/10℃)	≤± 0.017	≤± 0.011	≤± 0.013	≤± 0.040
Temperature effect on zero	(%FS/10℃)	≤± 0.023	≤± 0.015	≤± 0.014	≤± 0.020
Output sensitivity	(mv/v)	2.0±0.04		3.0±0.008	
Input resistance	(Ω)	350±3.5			
Output resistance	(Ω)	350±3.5			
Insulation resistance	(MΩ)	≥ 5000(50VDC)			
Zero balance	(%FS)	1.0			
Temperature, compensated	(℃)	-10~+40			
Temperature,allowed	(℃)	-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.
Standard cable length: 6m

Dimension	W	D	H	h	L	L1	L2	L3	L4	M
1K	30.7 (1.21)	13.5 (0.53)	30.2 (1.89)	24.76 (0.98)	130 (5.12)	15.7 (0.62)	25.4 (1)	101.6 (4)	57.1 (2.25)	1/2-20UNF-2B
1.5K,2K				26 (1.02)						
2.5K	31.3 (1.23)	13.5 (0.53)	31.3 (1.23)	27 (1.06)						
3K~5KSE				29.3 (1.15)						M12×1.75
0.5t				24.76 (0.98)						
1t				26 (1.02)						
1.5t~2t				29.3 (1.15)						
2.5KLE	36.8 (1.45)	19.8 (0.78)	36.8 (1.45)	32.8 (1.06)	171.5 (6.75)	19.1 (0.75)	38.1 (1.5)	133.3 (5.25)	76.2 (3.0)	3/4-16UNF-2B
5K~15K				34.8 (1.29)						
2.5t~5t		20.5 (0.81)								M20×2.5
20K	49.5 (1.95)	26.9 (1.06)	49.5 (1.95)	47.5 (1.87)	222.2 (8.75)	25.4 (1)	50.8 (2)	171.5 (6.75)	101.6 (4)	1-12UNF-2B
7.5t~10t										M24×2