

B8D

## Load Cell B8D



### Products specification

- ◆B8D load cells are available in the capacities 250lb to 20Klb and 0.25t to 5t.
- ◆Stainless steel construction, potted by adhesive inside. oil-proof, waterproof and anti-corrosive gas and medium making it suitable for all kinds of environments.
- ◆Single shear beam, easy for installation, suitable for electronic truck scales, automobile testing facilities, hopper scales and other electronic weighing devices.
- ◆Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

### Important Features

- ◆Capacities: 250lb to 20Klb and 0.25t to 5t.
- ◆High accuracy.
- ◆Stainless steel construction.
- ◆Low profile.
- ◆With OIML approval.

### Specifications

Capacity	t	0.1/0.15/0.2/0.25/0.3/0.4/0.5/0.75/1/1.5/2/3/5/7.5/10			
	lb	250/500/750/1K/1.5K/2K/2.5K/2.5KLE/3K/4K/5K/5KSE/7.5K/10K/15K/20K			
Accuracy		C2	C3	A5M	B10M
Approval		OIML R60 C3			
Maximum number of verification intervals	n max	2000	3000	5000	10000
Minimum load cell verification interval	v min	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /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°C)	≤± 0.017	≤± 0.011	≤± 0.013	≤± 0.040
Temperature effect on zero	(%FS/10°C)	≤± 0.023	≤± 0.015	≤± 0.014	≤± 0.020
Output sensitivity	(mv/v)	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	(°C)	-10~+40			
Temperature, allowed	(°C)	-35~+65			
Excitation, Recommended	(V)	5~12(DC)			
Excitation, Max	(V)	18(DC)			
Safe overload	(%FS)	150			
Ultimate overload	(%FS)	300			

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**Outline Dimension mm(inch)**

Capacity	L	L1	L2	L3	d	H	W	D	H1	M
250lb,500lb, 750lb,1Klb	130 (5.12)	15.7 (0.62)	25.4 (1.0)	76.2 (3.0)	13.46 (0.53)	30.2 (1.19)	30.7 (1.20)	13.4 (0.53)	16 (0.63)	M12-6H 1/2-20UNF-2B
0.5t,1t,2t 2.5K,3K, 4K,5KSE	130 (5.12)	15.7 (0.62)	25.4 (1.0)	76.2 (3.0)	13.4 (0.52)	31.23 (1.23)	31.32 (1.23)	13.4 (0.53)	15.75 (0.62)	M12-6H 1/2-20UNF-2B
3t,5t 2.5KSE,5K, 7.5K,10K,15K	171 (6.73)	19 (0.75)	38.1 (1.5)	95.2 (3.75)	20.65 (0.81)	36.8 (1.45)	36.8 (1.45)	20.65 (0.81)	17.78 (0.7)	M20X2.5-6H 3/4-15UNF-2B
20K	222.25 (8.75)	25.4 (1.0)	50.8 (2.0)	120.7 (4.75)	26.9 (1.06)	49.5 (1.95)	49.5 (1.95)	27.56 (1.08)	24.78 (0.97)	M24X2-6H 1-12UNF-2B

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