

# H8



- H8 load cells are available in the capacities 0.5t~50t.
- Alloy steel, sealed by adhesive inside, oil-proof, waterproof and anti-corrosion, suitable for all kinds of environments.
- Single shear beam, easy for installation, suitable for electronic truck scales, track scales, hopper scale and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

### Features

- Capacity: 0.5t~50t
- High accuracy
- Alloy steel construction
- Low profile
- OIML Certificates No:R60/2000-CNI-06.09
- PTB Approval No:D09-05.20

### Accessories

- HY-8-101
- HM-8-401
- BM-8-406



Specifications					
Capacity	t	0.5/1/2/2.5/3/5/10/15/20/25/30/50			
Accuracy		C2	C3	A5M	B10M
Approvals			OIML R60 C3		
Maximum number of verification intervals	nmax	2000	3000	5000	10000
Minimum load cell verification interval	Vmin	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°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)	2.0±0.002			
Input resistance	(Ω)	350±3.5			
Output resistance	(Ω)	351±2.0			
Insulation resistance	(MΩ)	≥5000(50VDC)			
Zero balance	(%FS)	1.0			
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)

0.5t, 25t

30t, 50t

Dimension	H	H1	H2	H3	ΦD	Φd	W	L	L1	L2	L3	L4	L5	L6
Capacity														
0.5~2t	57.9 (2.28)	43 (1.69)	37 (1.47)	5 (0.2)	35 (1.38)	13 (0.51)	37 (1.47)	203 (7.99)	95 (3.74)	22 (0.87)	98 (3.86)	64 (2.52)	/	/
2.5t	57.9 (2.28)	43 (1.69)	37 (1.47)	5 (0.2)	35 (1.38)	15 (0.59)	37 (1.47)	203 (7.99)	95 (3.74)	22 (0.87)	98 (3.86)	64 (2.52)	/	/
3t	62.9 (2.48)	43 (1.69)	37 (1.47)	5 (0.2)	35 (1.38)	15 (0.59)	37 (1.47)	203 (7.997)	95 (3.74)	22 (0.87)	98 (3.86)	64 (2.52)	/	/
5t	78.7 (3.1)	52 (2.05)	48 (1.89)	8 (0.31)	42 (1.65)	21 (0.83)	48 (1.89)	235 (9.25)	110 (4.33)	22 (0.87)	124 (4.88)	66 (2.6)	/	/
10t, 15t	127.7 (5.03)	67 (2.64)	60 (2.36)	12 (0.47)	57 (2.24)	28 (1.10)	60 (2.36)	279 (10.98)	133 (5.24)	32 (1.26)	140 (5.51)	82 (3.22)	/	/
20t, 25t	143.5 (5.65)	82.5 (3.25)	70 (2.76)	12 (0.47)	70 (2.76)	34 (1.34)	70 (2.76)	318 (12.52)	153 (6.02)	38 (1.5)	159 (6.26)	89 (3.5)	/	/
30t	174 (6.85)	115 (4.53)	90 (3.54)	18 (0.71)	70 (2.76)	26 (1.02)	96 (3.78)	374 (14.72)	189 (7.44)	44.5 (1.75)	181 (7.13)	76 (2.99)	51 (2.01)	46 (1.81)
50t	213 (8.39)	143 (5.63)	100 (3.94)	28 (1.1)	85 (3.35)	29 (1.14)	105 (4.13)	416 (16.38)	210 (8.27)	48 (1.89)	196 (7.72)	92 (3.62)	56 (2.2)	52 (2.05)

**Wiring:**  
Adopt shielded, 6 conductor cable: Φ6.2mm  
Standard cable length: 4m(0.5~3t), 7m(5t), 12m(10~50t)  
Cable type and cable length for customers' own application are available on requests.