

LOAD CELL H8C



- H8C load cells are available for manifold accurate measurement in the capacities 1Kb to 20Klb and 0.5t to 10t
- Alloy steel, potted by adhesive inside, oil-proof, waterproof and anti-corrosion, suitable all kinds of environments.
- Single shear beam, easy for installation, suitable for electronic platform scale, hopper 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: 1Kb~20Klb; 0.5t~10t.
- High accuracy.
- Alloy steel construction.
- Low profile and nice exterior.
- Combined error (%FS): 0.02 .
- With OIML approval : (PTB:D09-03.19 2).
- With NTEP approval: (Certificate No.: CC07-012).

Accessories

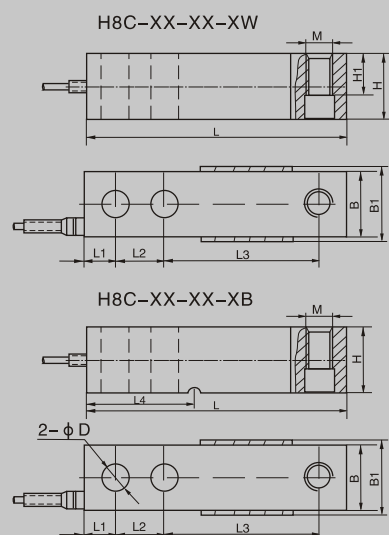
- HJ-8-201
- HJ-8-203
- HJ-8-204
- HJ-8-208
- HJ-8-213
- HJ-8-214
- HJ-8-215
- HJ-8-216
- HY-8-102
- HY-8-103
- HY-8-105
- HD-8-301
- HM-8-402

Specifications

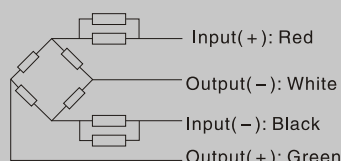
Capacity	t	0.5/1/1.5/2/2.5/3/5/10				
	Klb	1/1.5/2/2.5/3/4/5/7.5/10/15/20				
Accuracy class		C2	C3	C4	A5M	B10M
Approvals			OIML R60 C3		III 5000 多只	III L 10000 多只
Maximum number of verification intervals	nmax	2000	3000	4000	5000	10000
Minimum load cell verification interval	Vmin	Emax/5000	Emax/10000	Emax/14000	Emax/15000	Emax/10000
Combined error	(%FS)	≤ ± 0.030	≤ ± 0.020	≤ ± 0.018	≤ ± 0.026	≤ ± 0.050
Creep	(%FS/30min)	≤ ± 0.024	≤ ± 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℃)	≤ ± 0.023	≤ ± 0.015	≤ ± 0.010	≤ ± 0.014	≤ ± 0.020
Output sensitivity	(mv/v)	2.0 ± 0.002		3.0 ± 0.003		
Input resistance	(Ω)	350 ± 3.5				
Output resistance	(Ω)	351 ± 2				
Insulation resistance	(MΩ)	≥ 5000(100VDC)				
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)	120				
Ultimate overload	(%FS)	150				

Note: This product has the strain groove, is not suitable for Australia market. Please choose H8C-XX-XX-XW for Australia users.

Outline Dimension mm (inch)



Dimension Capacity	L	L1	L2	L3	L4	H	H1	B	B1	φ D	M	
500kg~2000kg	130 (5.12)	15.8 (0.62)	25.4 (1.0)	76.2 (3.0)	54.2 (2.13)	31.8 (1.25)	15.8 (0.62)	31.8 (1.25)	34 (1.34)	13.5 (0.53)	M12 × 1.75	
1K~4K	130 (5.12)	15.8 (0.62)	25.4 (1.0)	76.2 (3)	54.2 (2.13)	38.1 (1.5)	15.8 (0.62)	31.8 (1.25)	34 (1.34)	13.5 (0.53)	1/2-20UNF	
5K(SE)	130 (5.12)	15.8 (0.62)	25.4 (1.0)	76.2 (3)	54.2 (2.13)	38.1 (1.5)	15.8 (0.62)	31.8 (1.25)	34 (1.34)	13.5 (0.53)	1/2-20UNF	
2500kg~5000kg	171.5 (6.75)	19.1 (0.75)	38.1 (1.5)	95.3 (3.75)	77.2 (3.04)	38.1 (1.5)	18.8 (0.74)	38.1 (1.5)	40 (1.57)	19.8 (0.78)	M18 × 1.5	
5K~10K	171.5 (6.75)	19.1 (0.75)	38.1 (1.5)	95.3 (3.75)	77.2 (3.04)	38.1 (1.5)	18.8 (0.74)	38.1 (1.5)	40 (1.57)	19.8 (0.78)	3/4-16UNF	
10t	222.3 (8.75)	24.5 (1.0)	50.8 (2.0)	120.7 (4.75)	101.6 (4)	50.8 (2.0)	52.4 (2)	50.8 (2)	52.4 (2.06)	26 (1.02)	26.92 (1.06)	M24 × 2
20k	222.3 (8.75)	25.4 (1.0)	50.8 (2.0)	120.7 (4.75)	101.6 (4)	50.8 (2.0)	52.4 (2)	50.8 (2)	52.4 (2.06)	26 (1.02)	26.92 (1.06)	1-12UNF



Wiring:

- Shielded, 6 conductor cable: Φ5 mm.
- Standard cable length: 4m(0.5t~2t), 6m(2.5t~10t)(1Kb~20Klb).
- Cable type and cable length for customer's own application are available on request.