

**Categories:** Transducers and Sensors->single shear beam

**MODEL:** HM8C



- ◆HM8C load cells are available for manifold accurate measurement in the capacities 0.5t to 5t.
- ◆Alloy steel,hermetically sealed,oil-proof,waterproof and anti-corrosion, suitable for multiform environment.
- ◆Single shear beam and easy for installation,it is suitable for electronic platform scales,hopper scales and other electronic weighing devices.
- ◆It is safety and anti-explosion product that can be used in atrocious weather and hazardous areas.

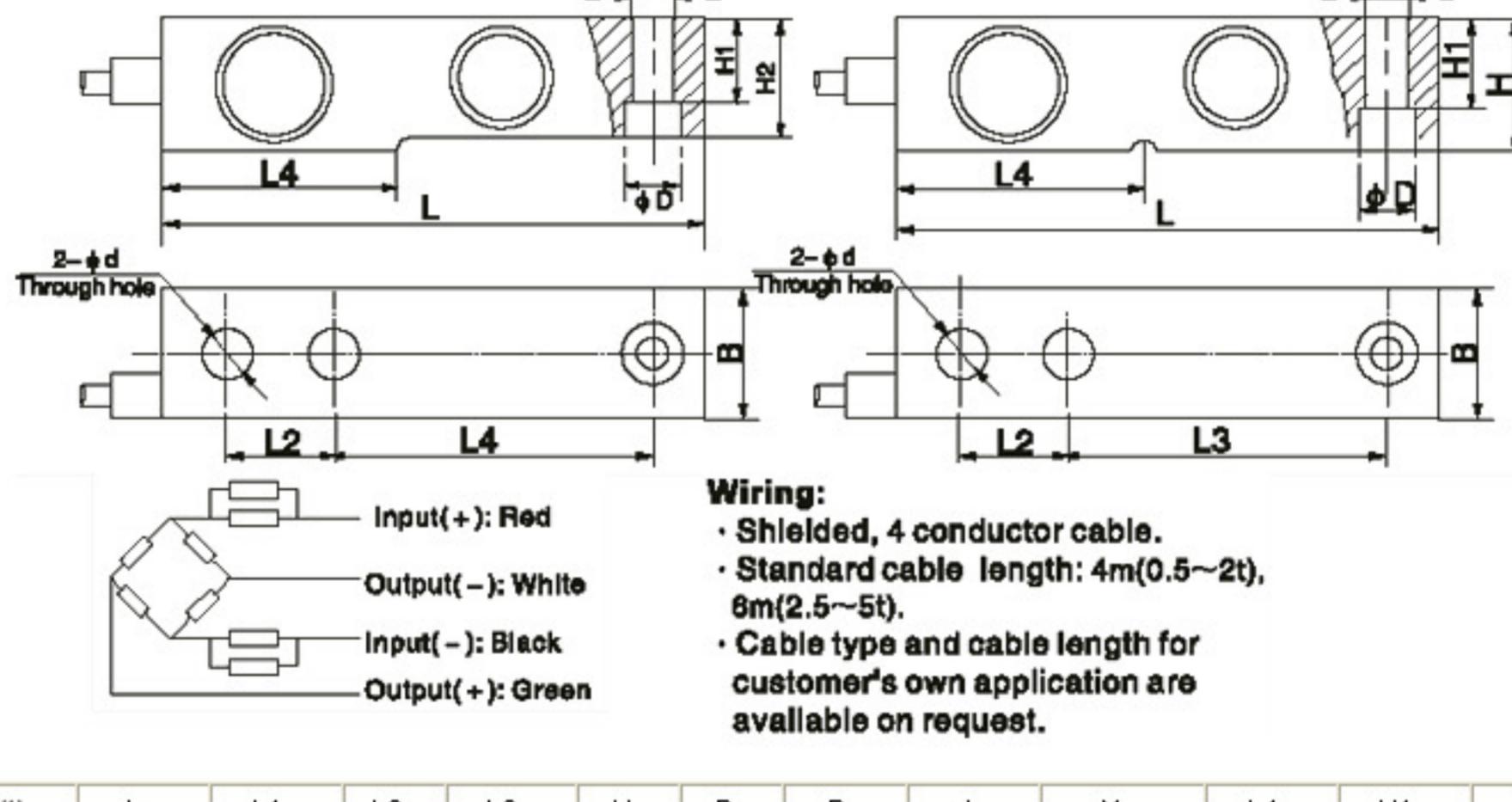
#### Important Features

- ◆Capacities:0.5t to 5t.
- ◆High accuracy.
- ◆Alloy steel construction.
- ◆Low profile and nice exterior.

#### Specifications

Capacity	t	0.5/1/1.5/2/3/5/10				
Accuracy class		C1	C2	C3	A5M	B10M
Maximum number of verification intervals	n max	1000	2000	3000	5000	10000
Minimum load cell verification interval	v min	Emax/3000	Emax/5000	E max/7500	Emax/15000	Emax/10000
Combined error	(%FS)	≤±0.050	≤± 0.030	≤± 0.020	≤± 0.026	≤± 0.050
Creep	(%FS/30min)	≤± 0.038	≤± 0.023	≤± 0.016	≤± 0.017	≤± 0.040
Temperature effect on sensitivity	(%FS/10°C)	≤± 0.028	≤± 0.017	≤± 0.011	≤± 0.013	≤± 0.040
Temperature effect on zero	(%FS/10°C)	≤± 0.047	≤± 0.029	≤± 0.019	≤± 0.014	≤± 0.020
Output sensitivity	(mV/V)	2.0±0.004				
Input resistance	(Ω)	350±3.5				
Output resistance	(Ω)	351±2				
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)	120				
Ultimate overload	(%FS)	150				

#### Outline Dimension mm(inch)



#### Wiring:

- Shielded, 4 conductor cable.
- Standard cable length: 4m(0.5~2t), 8m(2.5~5t).
- Cable type and cable length for customer's own application are available on request.

量程(t)	L	L1	L2	L3	H	B	D	d	M	L4	H1	H2
0.5	130 (5.12)	15.8 (0.62)	25.4 (1.0)	76.2 (3.0)	31.8 (1.25)	31.8 (1.25)	13.5 (0.53)	13.5 (0.53)	M12	53.7 (2.11)	15.8 (0.62)	26 (1.02)
1.0	130 (5.12)	15.8 (0.62)	25.4 (1.0)	76.2 (3.0)	31.8 (1.25)	31.8 (1.25)	13.5 (0.53)	13.5 (0.53)	M12	53.7 (2.11)	15.8 (0.62)	28 (1.1)
1.5~2	130 (6.75)	15.8 (0.62)	25.4 (1.0)	76.2 (3.0)	31.8 (1.25)	31.8 (1.25)	13.5 (0.53)	13.5 (0.53)	M12	54.2 (2.11)	15.8 (0.62)	/
2.5	171.5 (6.75)	19.1 (0.75)	38.1 (1.5)	95.3 (3.75)	38.1 (1.5)	19.8 (1.5)	19.8 (0.78)	19.8 (0.78)	M18x1.5	76.2 (3.0)	18.8 (0.74)	34 (1.34)
3~5	171.5 (6.75)	19.1 (0.75)	38.1 (1.5)	95.3 (3.75)	50.8 (2.0)	50.8 (2.0)	19.8 (0.78)	19.8 (0.78)	M18x1.5	77.2 (3.04)	18.8 (0.74)	/