

H3G



- H3G load cells are available in the capacities 50kg~7.5t and 50lb~20Klb.
- Alloy steel, sealed by adhesive inside, oil-proof, waterproof and anti-corrosion, suitable for all kinds of environments.
- S beam design, tension and/or compression loading possible, easy installation, suitable for crane scale, mechanical conversion scale, hopper scale and other electronic weighing devices.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

Features

- Capacity: 50kg~7.5t ; 50lb~20Klb
- High accuracy
- Alloy steel construction
- Low profile

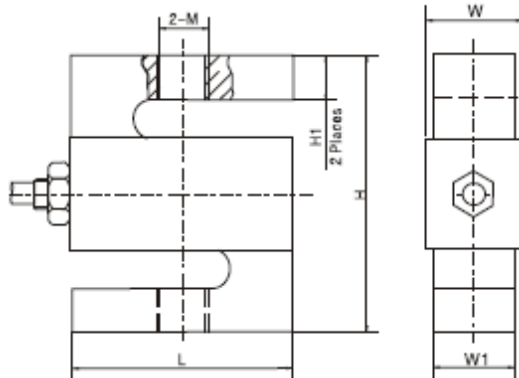
Accessory

- HL-3-001 • HL-3-002
- HL-3-003 • HL-3-004 • HL-3-005

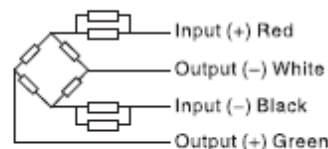
Specifications

Capacity	t	0.05/0.1/0.2/0.25/0.5/1/2.5/5/7.5					
		lb					
		50/75/100/150/200/250/300/500/750/1K/1.5K/2K/2.5K/3K/5K/7.5K//10K/15K/20K					
Accuracy		C2	C3	A5S	A5M	B10S	B10M
Maximum number of verification intervals	n _{max}	2000	3000	5000	5000	10000	10000
Minimum load cell verification interval	n _{min}	E _{max} /5000	E _{max} /10000	E _{max} /15000	E _{max} /15000	E _{max} /10000	E _{max} /10000
Combined error	(%FS)	≤±0.030	≤±0.020	≤±0.018	≤±0.026	≤±0.035	≤±0.050
Creep	(%FS/30min)	≤±0.024	≤±0.016	≤±0.012	≤±0.017	≤±0.030	≤±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤±0.017	≤±0.011	≤±0.009	≤±0.013	≤±0.030	≤±0.040
Temperature effect on zero	(%FS/10°C)	≤±0.023	≤±0.015	≤±0.010	≤±0.014	≤±0.030	≤±0.020
Output sensitivity	(mv/v)	3.0±0.008					
Input resistance	(Ω)	430±60					
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)



Capacity	Dimension mm	L	H	W1	W	M	H1
50kg, 100kg	50.8 (2.0)	63.5 (2.5)	12.7 (0.5)	16.07 (0.63)	M8	10.16 (0.4)	
50lb - 300lb	50.8 (2.0)	63.5 (2.5)	19.05 (0.75)	22.43 (0.88)	M12		
200kg, 500kg	50.8 (2.0)	63.5 (2.5)	19.05 (0.75)	22.43 (0.88)	1/2-20UNF		
500lb - 1.5Klb	50.8 (2.0)	63.5 (2.5)	25.4 (1.0)	28.78 (1.13)	M12	15.2 (0.6)	
1t	50.8 (2.0)	63.5 (2.5)	25.4 (1.0)	28.78 (1.13)	1/2-20UNF		
2.25Klb	76.2 (3.0)	101.6 (4.0)	25.4 (1.0)	28.78 (1.13)	M20 x 1.5		
2.5t	76.2 (3.0)	101.6 (4.0)	25.4 (1.0)	28.78 (1.13)	M20 x 1.5	20(0.79)	
3Klb	101.6 (4.0)	139.7 (5.5)	31.75 (1.25)	35.13 (1.38)	M24 x 2	30(1.18)	
5t	101.6 (4.0)	139.7 (5.5)	31.75 (1.25)	35.13 (1.38)	3/4-16UNF	15.24(0.6)	
5Klb, 10Klb	101.6 (4.0)	139.7 (5.5)	31.75 (1.25)	35.13 (1.38)	1-14UNS	31(1.22)	
7.5t	127 (5.0)	177.8 (7.0)	50.8 (2.0)	54.6 (2.15)	M24 x 2	30(1.18)	
15Klb	127 (5.0)	177.8 (7.0)	50.8 (2.0)	54.6 (2.15)	1-1/4 -12UNF	39.9 (1.57)	



Wiring:

Adopt shielded, 4 conductor cable: Ø5mm
Standard cable length: 6m