

# RICHTER SCALE



## H3G

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- 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

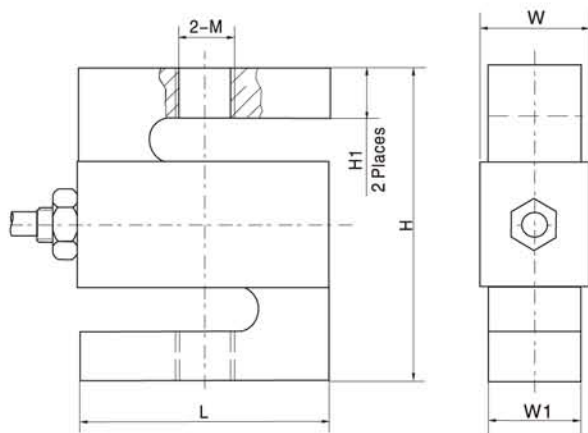
### Accessory

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

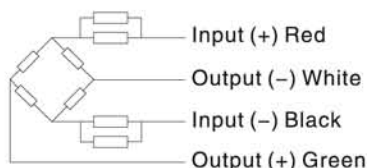
### Specifications

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 <sub>max</sub>	2000	3000	5000	5000	10000	10000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /15000	E <sub>max</sub> /10000	E <sub>max</sub> /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	63.5	12.7	16.07	M8	10.16 (0.4)
50lb - 300lb		(2.0)	(2.5)	(0.5)	(0.63)	1/4-28UNF	
200kg,500kg		50.8	63.5	19.05	22.43	M12	
500lb - 1.5Klb		(2.0)	(2.5)	(0.75)	(0.88)	1/2-20UNF	
1t		50.8	63.5	25.4	28.78	M12	15.2 (0.6)
2.25Klb		(2.0)	(2.5)	(1.0)	(1.13)	1/2-20UNF	
2.5t		76.2	101.6	25.4	28.78	M20 x 1.5	20(0.79)
3Klb		(3.0)	(4.0)	(1.0)	(1.13)	1/2-20UNF	
5t		76.2	101.6	25.4	28.78	M20 x 1.5	15.24(0.6)
5Klb,10Klb		(3.0)	(4.0)	(1.0)	(1.13)	3/4-16UNF	
7.5t		101.6	139.7	31.75	35.13	M24 x 2	30(1.18)
15Klb		(4.0)	(5.5)	(1.25)	(1.38)	1-14UNS	
20Klb		127	177.8	50.8	54.6	1 1/4 -12UNF	39.9 (1.57)
		(5.0)	(7.0)	(2.0)	(2.15)		



### Wiring:

Adopt shielded, 4 conductor cable: Φ5mm  
Standard cable length: 6m