

- H3 load cells are available in the capacities 25kg~30t and 100lb~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: 25kg~30t ; 100lb~20Klb
- High accuracy
- Alloy steel construction
- Low profile
- OIML Certificates No:R60/2000-CN-00.01
- PTB Approval No:D09-03.18 Revision 2

### Accessory

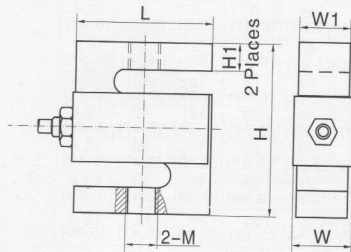
- HL-3-001 • HL-3-002
- HL-3-003 • HL-3-004 • HL-3-005

### Specifications

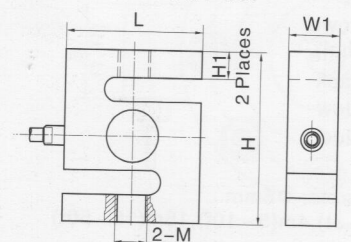
Capacity	t	0.025/0.05/0.1/0.15/0.2/0.25/0.3/0.5/0.6/0.75/1/1.5/2/2.5/3/5/7.5/10/15/20/30						
	lb	100/200/250/300/500/750/1K/1.5K/2K/2.5K/3K/5K/10K/15K/20K						
Accuracy		C2	C3	C4	A5S	A5M	B10S	B10M
Approvals		OIML R60 C3		OIML R60 C4				
Maximum number of verification intervals	n <sub>max</sub>	2000	3000	4000	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> /14000	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	≤±0.018	≤±0.026	≤±0.035	≤±0.050
Creep	(%FS/30min)	≤±0.024	≤±0.016	≤±0.012	≤±0.012	≤±0.017	≤±0.030	≤±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤±0.017	≤±0.011	≤±0.009	≤±0.009	≤±0.013	≤±0.030	≤±0.040
Temperature effect on zero	(%FS/10°C)	≤±0.023	≤±0.015	≤±0.010	≤±0.010	≤±0.014	≤±0.030	≤±0.020
Output sensitivity	(mv/v)	2.0±0.004(Metric)		3.0±0.008(Imperial)				
Input resistance	(Ω)	350±3.5						
Output resistance	(Ω)	351±2.0						
Insulation resistance	(MΩ)	≥5000(50VDC)						
Zero balance	(%FS)	1.5(Metric)		1.0 (Imperial)				
Temperature, compensated	(°C)	-10~+40						
Temperature, operating	(°C)	-35~+70						
Excitation, recommended	(V)	5~12(DC)						
Excitation, max	(V)	18(DC)						
Safe overload	(%FS)	150						
Ultimate overload	(%FS)	300						

### Outline Dimension mm(inch)

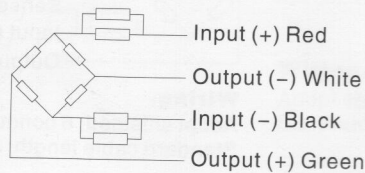
25kg-5t 0.1-20Klb



7.5t-30t



Capacity	Dimension (mm)						
	H	L	W1	W	M	H1 ± 0.4	
25 ~ 50kg	76.2(3.0)	50.8(2.0)	12.7(0.5)	16.1(0.63)	M8	15.7(0.62)	
0.1 ~ 0.15t	76.2(3.0)	50.8(2.0)	19.0(0.75)	22.4(0.88)	M10 × 1.5	15.3(0.60)	
0.2 ~ 0.75t	76.2(3.0)	50.8(2.0)	19.0(0.75)	22.4(0.88)	M12 × 1.75	13.6(0.54)	
1 ~ 1.5t	76.2(3.0)	50.8(2.0)	25.4(1.0)	28.8(1.13)	M12 × 1.75	12.1(0.48)	
2 ~ 5t	101.6(4.0)	76.2(3.0)	25.4(1.0)	28.8(1.13)	M20 × 1.5	20(0.79)	
7.5 ~ 10t	175(6.89)	125(4.92)	50(1.97)	/	M33 × 3	40.2(1.58)	
15 ~ 20t	200(7.89)	160(6.3)	60(2.36)	/	M42 × 3	51(2.01)	
30t	230(9.06)	190(7.48)	80(3.15)	/	M42 × 3	57.5(2.26)	
100 ~ 300lb	63.5(2.5)	50.8(2.0)	12.7(0.5)	15.9(0.63)	1/4-28UNF	10.1(0.4)	
500lb	63.5(2.5)	50.8(2.0)	19.05(0.75)	22.25(0.88)	1/2-20UNF	10.1(0.4)	
0.75 ~ 1.5Klb	63.5(2.5)	50.8(2.0)	19.05(0.75)	22.25(0.88)	1/2-20UNF	10.1(0.4)	
2 ~ 2.5Klb	63.5(2.5)	50.8(2.0)	25.4(1.0)	28.6(1.13)	1/2-20UNF	10.1(0.4)	
3Klb	101.6(4.0)	76.2(3.0)	25.4(1.0)	28.6(1.13)	1/2-20UNF	15.24(0.6)	
5 ~ 10Klb	101.6(4.0)	76.2(3.0)	25.4(1.0)	28.6(1.13)	3/4-16UNF	15.24(0.6)	
15Klb	139.7(5.5)	101.6(4.0)	31.75(1.25)	34.95(1.38)	1-14UNS	31(1.22)	
20Klb	177.8(7.0)	127(5.0)	50.8(2.0)	54(2.13)	1 1/4-12UNF	39.9(1.57)	



### Wiring:

Adopt shielded, 4 conductor cable: Φ5mm  
Standard cable length: 3m(0.025 ~ 0.75t),  
6m(1 ~ 30t)(0.1 ~ 20Klb)