

- ◆H3 load cells are available in the capacities 25kg to 30t and 100lb to 20klb.
- ◆Alloy steel, sealed by adhesive, oil-proof, waterproof and anti-corrosion, suitable for all kinds of environments.
- ◆S beam design, tension and/or compression loading possible, easy for installation, suitable for crane scale, mechanical conversion scale, hopper scale and other electronic weighing devices.
- ◆It is a safety and anti-explosion product that can be used in atrocious weather and hazardous areas.

#### Important Features

- ◆Capacities: 25kg-30t, 100lb-20klb.
- ◆High accuracy.
- ◆Alloy steel construction.
- ◆Low profile and nice exterior.
- ◆With OIML approval. (PTB-D09-03.22)



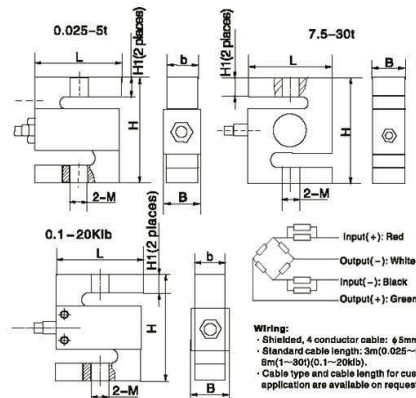
#### Accessory

- ◆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	100/200/250/300/500/750/1000/1500/2000/2500/3000/5000/7500/10000/15000/20000/25000/30000/50000/75000/100000/150000/200000							
Accuracy class		C2	C3	C4	A5S	A5M	B10S	B10M	
Approval		OIML R60 C3		OIML R60 C4					
Maximum number of verification intervals	n max	2000	3000	4000	5000	5000	10000	10000	
Minimum load cell verification interval	v min	Emax/5000	Emax/10000	Emax/14000	Emax/15000	Emax/15000	Emax/10000	Emax/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, 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)



Capacity	L	H	b	B	M	H1
25~50kg	50.8 (2.0)	76.2 (3.0)	12.7 (0.5)	14.5 (0.57)	M8	15.7 (0.62)
0.1~1.5t	50.8 (2.0)	76.2 (3.0)	19.0 (0.75)	20.8 (0.82)	M10×1.5	15.3 (0.60)
0.2~0.75t	50.8 (2.0)	76.2 (3.0)	19.0 (0.75)	20.8 (0.82)	M12×1.75	13.6 (0.54)
1~1.5t	50.8 (2.0)	76.2 (3.0)	25.4 (1.0)	27.2 (1.07)	M12×1.75	12.1 (0.48)
2~5t	76.2 (3.0)	101.6 (4.0)	25.4 (1.0)	27.2 (1.07)	M20×1.5	20 (0.79)
7.5~10t	125 (4.92)	175 (6.89)	50 (1.97)	f	M33×3	40.2 (1.58)
15~20t	160 (6.3)	200 (7.89)	60 (2.36)	f	M42×3	51 (2.01)
30t	190 (7.48)	230 (9.06)	80 (3.15)	f	M42×3	57.5 (2.26)
100~300lb	50.8 (2.0)	63.5 (2.5)	12.7 (0.5)	15.9 (0.63)	1/4-28UNF	8.9 (0.35)
500lb	50.8 (2.0)	63.5 (2.5)	19.05 (0.75)	22.25 (0.88)	1/2-20UNF	8.9 (0.35)
0.75~1.5klb	50.8 (2.0)	63.5 (2.5)	19.05 (0.75)	22.25 (0.88)	1/2-20UNF	
2~2.5klb	50.8 (2.0)	63.5 (2.5)	25.4 (1.0)	28.6 (1.13)	1/2-20UNF	
3klb	76.2 (3.0)	101.6 (4.0)	25.4 (1.0)	28.6 (1.13)	1/2-20UNF	14 (0.55)
5~10klb	76.2 (3.0)	101.6 (4.0)	25.4 (1.0)	28.6 (1.13)	3/4-18UNF	15.8 (0.62)
15klb	101.6 (4.0)	139.7 (5.5)	31.75 (1.25)	34.95 (1.38)	1-14UNS	27.5 (1.08)
20klb	127 (5.0)	177.8 (7.0)	50.8 (2.0)	54 (2.13)	5/4-12UNF	39.9 (1.57)