

H3

Load Cell H3



Products specification

- ◆H3 load cells are available in the capacities 25kg to 30t and 100lb to 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.

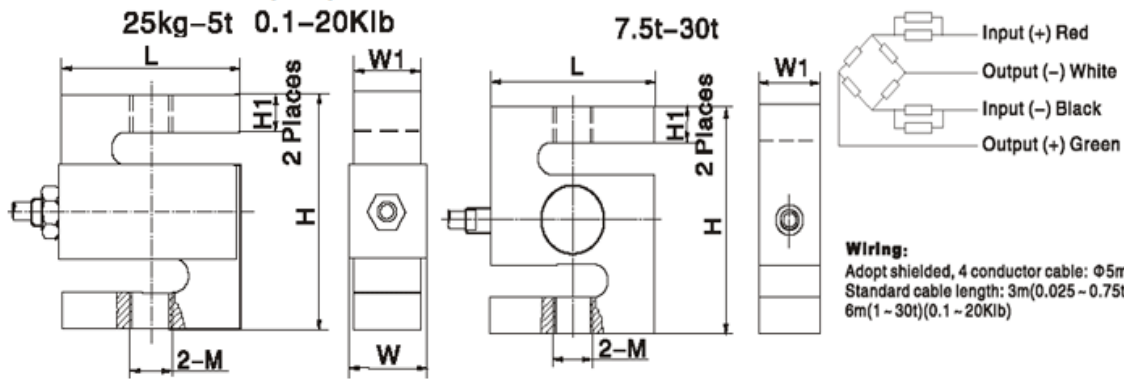
Important Features

- ◆Capacities:25kg-30t, 100lb-20klb.
- ◆High accuracy.
- ◆Alloy steel construction.
- ◆Low profile and nice exterior.

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
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	E _{max} /5000	E _{max} /10000	E _{max} /14000	E _{max} /15000	E _{max} /15000	E _{max} /10000	E _{max} /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~+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	L	H	W1	W	M	H1
25~50kg	76.2 (3.0)	50.8 (2.0)	12.7 (0.5)	16.1 (0.63)	M8	15.7 (0.62)
0.1~1.5t	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	
0.75~1.5klb	63.5 (2.5)	50.8 (2.0)	19.05 (0.75)	22.25 (0.88)	1/2-20UNF	
2~2.5klb	63.5 (2.5)	50.8 (2.0)	25.4 (1.0)	28.6 (1.13)	1/2-20UNF	
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)	5/4-12UNF	39.9 (1.57)

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