





Capacity	Accuracy	Part-Number
xx kg	C3	H3-C3-xxkg-xB
xx t	C3	H3-C3-xt-xB
xx lb	N10	H3-N10-xxlb-6YB
xx klb	N10	H3-N10-xxK-6YB

RoHS

Ex NEPSA



- Alloy steel IP67 S-type load cell
- High accuracy
- Suitable for crane and hanging hopper scales
- Tension and compression loading possible

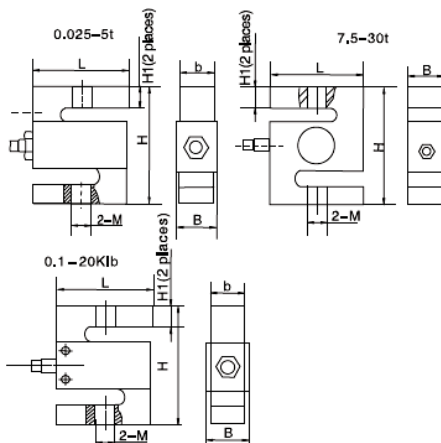




Specification:

Accuracy class		OIML R60 C3 ¹	OIML R60 C4 ¹	N10
Output sensitivity (= FS)	mV/V	2.0 ± 0.004 (metric) 3.0 ± 0.008 (imperial)		
Maximum capacity (E _{max})	t	0.025, 0.05, 0.1, 0.15, 0.2, 0.3, 0.5, 0.6, 0.75, 1.0, 1.5, 2.0, 2.5, 3.0, 5.0, 7.5, 10, 15, 20, 30 ¹		
Maximum capacity (E _{max})	lb	100, 150, 200, 250, 300, 500, 750, 1k, 1.5k, 2k, 2.5k, 3k, 5k, 10k, 15k, 20k		
Maximum number of load cell intervals (n _{LC})		3000	4000	10000
Ratio of minimum LC verification interval Y = E _{max} / V _{min}		10000 - 15000 ²	20000	10000
Combined Error	%FS	± 0.020		
Minimum dead load	kg	0		
Safe overload	of E _{max}	150 %		
Ultimate overload	of E _{max}	300 %		
Zero balance	of FS	< ± 1.5 % (metric) < ± 1.0 % (imperial)		
Excitation, recommended voltage	V	5 ~ 12		
Excitation maximum	V	18		
Terminal resistance, input	Ω	350 ± 3.5		
Terminal resistance, output	Ω	351 ± 2.0		
Insulation impedance	MΩ	≥ 5000 (at 50VDC)		
Temperature range, compensated	°C	-10 ~ +40		
Temperature range, operating	°C	-35 ~ +65		
Element material		Alloy steel		
Ingress Protection (according to EN 60529)		IP67		
ATEX classification		II1G Ex ia II1C T4	II1D Ex ia D20 T73°C	II3G nL IIC T4

Note 1: 100 to 2500kg models are OIML approved Note 2: Y-value is indicated on the load cell

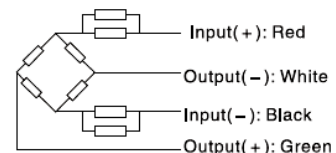
Outline Dimensions in mm



Dimension 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 ~ 0.15t	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)	/	M33 × 3	40.2(1.58)
15 ~ 20t	160(6.3)	200(7.89)	60(2.36)	/	M42 × 3	51(2.01)
30t	190(7.48)	230(9.06)	80(3.15)	/	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	
0.75 ~ 1.5klb	50.8(2.0)	63.5(2.5)	19.05(0.75)	22.25(0.88)	1/2-20UNF	8.9(0.35)
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)	3/4-16UNF	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)	1 1/4-12UNF	39.9(1.57)

Wiring:

- Shielded, 4 conductor cable: φ 5mm.
- Standard cable length: 3m(0.025~1.5t), 6m(2~30t)(0.1~20klb).
- Cable type and cable length for customer's own application are available on request.
- Shield not connected to element.



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