



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



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

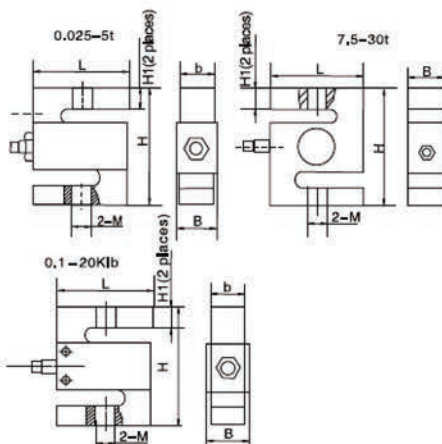
Specification:

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	± 0.018	0.05
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 iaD 20 T73°C	II3G nL II C T4

Note 1: 100 to 2500kg models are OIML approved

Note 2: Y-value is indicated on the load cell

Outline Dimensions in mm



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 x 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 x 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 x 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 x 1,5	20(0,79)
7.5 - 10t	125(4,92)	175(6,89)	50(1,97)	/	M33 x 3	40,2(1,58)
15 - 20t	160(6,3)	200(7,89)	60(2,36)	/	M42 x 3	51(2,01)
30t	190(7,48)	230(9,06)	80(3,15)	/	M42 x 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	14(0,55)
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.

