




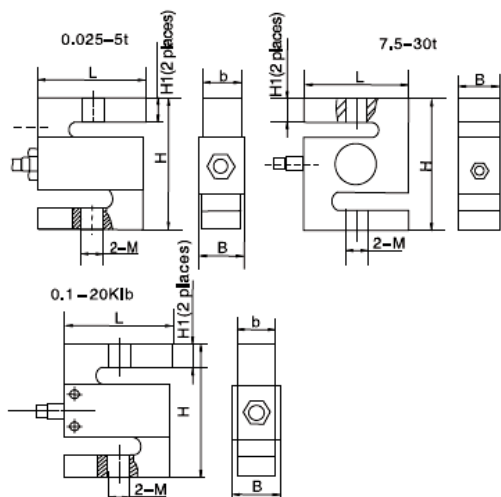
- Alloy steel IP67 "S" type load cell
- Suitable for crane and hanging hopper scales
- Tension and compression loading possible
- Also available in Imperial capacities and dimensions 

Capacity	Accuracy	Part-Number
xx kg	C3	H3-C3-xxkg-xB
xx t	C3	H3-C3-xxt-xB

Specification:

		OIML R60 C3	OIML R60 C4	C3
Accuracy class				
Output sensitivity (= FS)	mV/V	2.0 ± 0.004 (3.0 ± 0.008 for imperial capacities)		
Maximum capacity (E _{max})	t	0.1, 0.15, 0.2, 0.3, 0.5, 0.6, 0.75, 1.0, 1.5, 2.0, 2.5,		0.025, 0.05, 3.0, 5.0, 7.5, 10, 15, 20, 30
Maximum number of load cell intervals (n _{LC})		3000	4000	3000
Ratio of minimum LC verification interval Y = E _{max} / V _{min}		10000	20000	10000
Combined Error	%FS	≤ ± 0.020	≤ ± 0.018	≤ ± 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 % (≤ ± 1.0 % for imperial capacities)		
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 (optional)		II1G Ex ia II1C T4	II1D Ex iaD20 T73°C	II3G nL II C T4

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 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	
3klb	76,2(3,0)	101,6(4,0)	25,4(1,0)	28,6(1,13)	1/2-20UNF	
5 - 10klb	76,2(3,0)	101,6(4,0)	25,4(1,0)	28,6(1,13)	3/4-16UNF	
15klb	101,6(4,0)	139,7(5,5)	31,75(1,25)	34,95(1,38)	1-14UNS	
20klb	127(5,0)	177,8(7,0)	50,8(2,0)	54(2,13)	1 1/4-12UNF	

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.

