

Load Cell - SSM14A Series



- Stainless steel IP68 compression load cell
- Hermetically sealed
- Suitable for vehicle and hopper scales and vehicle testing facilities
- Protection against lightning surges

Capacity	Accuracy	Part-Number
10 t	C3	SSM14A-C3-10t-10B-SC
25 t	C3	SSM14A-C3-25t-20B-SC
40 t	C3	SSM14A-C3-40t-20B-SC
60 t	C3	SSM14A-C3-60t-20B-SC
100 t	C3	SSM14A-C3-100t-20B-SC
200 t	C1 ¹	SSM14A-C1-200t-20B-SC



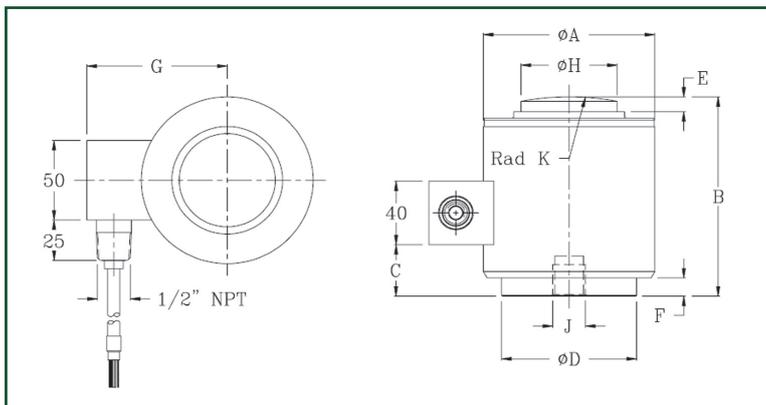
Specification

Accuracy class		OIML R60 C3	C1 ¹
Output sensitivity (= FS)	mV/V	2.0 ± 0.002	
Maximum capacity (E _{max})	t ²	10, 25, 40	60, 100
Maximum number of load cell intervals (n _{LC})		3000	
Ratio of minimum LC verification interval Y = E _{max} / v _{min}		9000	15000
Combined Error	%FS	≤ ± 0.023	
Minimum dead load	t	0	
Safe overload	of E _{max}	150%	
Ultimate overload	of E _{max}	300%	
Zero balance	of FS	≤ ± 1.0 %	
Excitation, recommended voltage	V	5 ~ 12	
Excitation maximum	V	18	
Terminal resistance, input	Ω	450 ± 5	
Terminal resistance, output	Ω	480 ± 5	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	-10 ~ +40	
Temperature range, operating	°C	-35 ~ +65	
Element material		Stainless steel	
Ingress Protection (according to EN 60529)		IP68	
ATEX classification (optional)		II 1G Ex ia IIC T4	II 1D Ex iaD 20 T73°C
			II 3G nL IIC T4

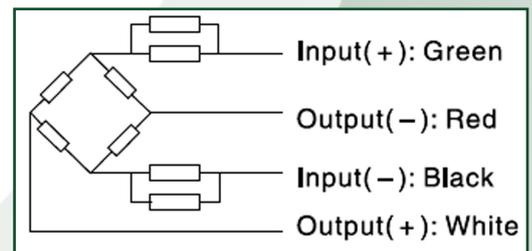
Note 1: 200t capacity is not OIML approved.

Note 2: Imperial capacities up to 500 Klb available on request.

Outline dimensions in mm



Wiring



- Shielded, 4 conductor cable: Ø7,5mm
- Standard cable length: 10 t – 10m, others 20m
- Shield is not connected to element
- Different cable type and length are available on customer request

Capacity	ØA	B	C	ØD	E	F	G	ØH	J	Krad
10t, 25t	73	82.5	12	58	6.5	1.8	64	31.8	M12x1.75 (11 Deep)	152
40t, 60t	105	127	34	82.5	8	11	87	58.7		152
100t	152.4	184	72	123.8	23.6	21.8	108	79.2	M20x2.5 (20 Deep)	432
200t	167.6	228.6	92	136.3	10.9	25.4	123	93.7		432