

H9C



- Nickel plated alloy steel IP67 dual shear beam load cell .
- High accuracy .
- Suitable for truck and track scales and other heavy weighing devices .
- Sealed construction .

Available models

Capacity	Accuracy	Full article description
5 Klb	C3/C4	H9C-C3/C4-5K-9B
10 Klb	C3/C4	H9C-C3/C4-10K-9B
15 Klb	C3/C4	H9C-C3/C4-15K-9B
20 Klb	C3	H9C-C3-20K-9B
30 Klb	C3	H9C-C3-30K-9B
40 Klb	C3	H9C-C3-40K-9B
50 Klb	C3	H9C-C3-50K-9B
60 Klb	C3	H9C-C3-60K-9B
75 Klb	C3	H9C-C3-75K-9B
100 Klb	C3	H9C-C3-100K-9B
150 Klb	C3	H9C-C3-150K-9B
200 Klb	C3	H9C-C3-200K-9B
250 Klb	C3	H9C-C3-250K-9B

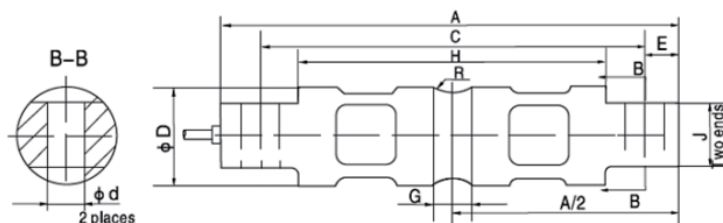


Certificate no. 07-018A1

Specification

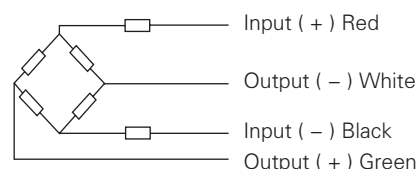
Accuracy class		OIML R60 C3	OIML R60 C4
Output sensitivity (= FS)	mV/V	3.0 ± 0.003	
Maximum capacity (E _{max})	klb	5, 10, 20, 30, 40, 50, 60, 75, 100, 150, 200, 250	5, 10, 20
Maximum number of load cell intervals (nLC)		3000	4000
Ratio of minimum LC verification interval Y = E _{max} / V _{min}		10000	12000
Combined error	%FS	± 0.0230	± 0.0175
Minimum dead load	of E _{max}	0 %	
Safe overload	of E _{max}	150 %	
Ultimate overload	of E _{max}	300 %	
Zero balance	%FS	± 1.0	
Excitation, recommended voltage	V	5 ~ 12(DC)	
Excitation maximum	V	18(DC)	
Input resistance	Ω	700 ± 7	
Output resistance	Ω	703 ± 4	
Insulation resistance	MΩ	≥ 5000 (50VDC)	
Compensated temperature	°C	-10 ~ +40	
Operating temperature	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +70	
Element material		Nickel plated alloy steel	
Ingress protection (according to EN 60529)		IP67	
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C C II3G Ex nL IIC T4

Dimensions in mm



Dimension Capacity	A	C	H	G	ΦD	J	Φd	R	E
5Klb, 10Klb	206.2 (8.12)	174.6 (6.88)	133.1 (5.24)	15.7 (0.62)	43.2 (1.7)	28.4 (1.12)	16.7 (0.66)	R12.7 (0.5)	15.7 (0.62)
15Klb, 20Klb	206.2 (8.12)	174.6 (6.88)	133.1 (5.24)	21.3 (0.84)	49.5 (1.95)	28.4 (1.12)	16.7 (0.66)	R12.7 (0.5)	15.7 (0.62)
30Klb, 75Klb	260.4 (10.25)	215.9 (8.5)	165.1 (6.5)	25.4 (1.0)	76.2 (3.0)	60.2 (2.37)	26.9 (1.06)	R25.4 (1.0)	22.4 (0.88)
90Klb, 100Klb	285.8 (11.25)	241.3 (9.5)	190.2 (7.49)	31.0 (1.22)	88.9 (3.5)	63.5 (2.5)	26.9 (1.06)	R38.1 (1.5)	22.4 (0.88)
150Klb	285.8 (11.25)	241.3 (9.5)	190.2 (7.49)	31.0 (1.22)	99.1 (3.9)	71.1 (2.80)	26.9 (1.06)	R38.1 (1.5)	22.4 (0.88)
200Klb,250Klb	408.9 (16.1)	330.2 (13.0)	254.0 (10.0)	31.7 (1.25)	136.6 (5.38)	116.8 (4.6)	39.6 (1.56)	R50.8 (2.0)	39.4 (1.55)

Wiring



- Shielded, 4 conductor cable.
- Cable diameter for 5k – 20k: Φ5mm and for 30k – 250k: Φ8mm.
- Standard cable length: 9m.
- Shield not connected to element.