



- Alloy steel IP68 dual shear beam load cell
- Hermetically sealed
- Suitable for track, truck scales and other electronic weighing scales
- High accuracy



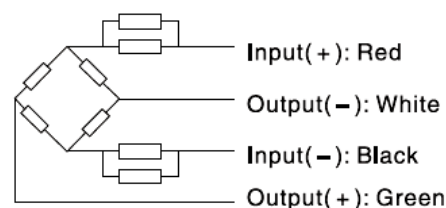
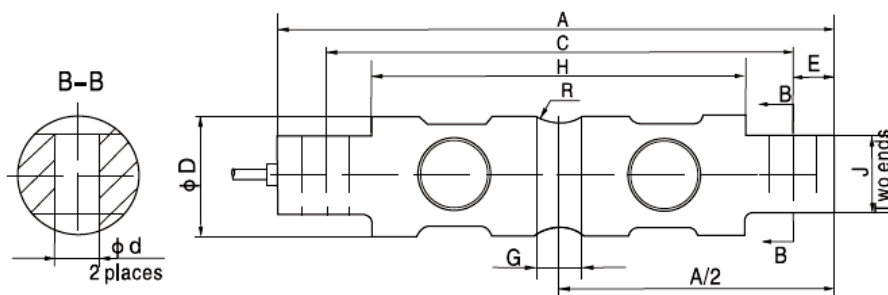
Capacity	Accuracy	Part-Number
10 klb	C3	HM9C-C3-10K-9.3B
20 klb	C3	HM9C-C3-20K-9.3B
30 klb	C3	HM9C-C3-30K-9.3B
40 klb	C3	HM9C-C3-40K-9.3B
50 klb	C3	HM9C-C3-50K-9.3B
60 klb	C3	HM9C-C3-60K-9.3B
70 klb	C3	HM9C-C3-70K-9.3B

Specification:

Accuracy class		OIML R60 C3
Output sensitivity (= FS)	mV/V	3.0 ± 0.008
Maximum capacity (E_{max})	klb	10, 20, 30, 40, 50, 60, 75
Maximum number of load cell intervals (n_{LC})		3000
Ratio of minimum LC verification interval $Y = E_{max} / v_{min}$		10000 - 15000 ¹
Combined Error	%FS	± 0.020
Minimum dead load	klb	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	700 ± 7
Terminal resistance, output	Ω	703 ± 4
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)		IP68
ATEX classification (optional)		II1G Ex ia II1C T4 II1D Ex iaD 20 T73°C II3G nL II C T4

Note 1: Y Value is indicated on the load cell

Outline Dimensions in mm



Dimension	A	C	H	G	φD	J	φd	R	E
Capacity									
5~10	206.2 (8.12)	174.6 (6.88)	133.1 (5.24)	15.7 (0.62)	φ43.2 (1.7)	28.4 (1.12)	φ16.7 (0.66)	R12.7 (0.5)	15.7 (0.62)
20	206.2 (8.12)	174.6 (6.88)	133.1 (5.24)	21.3 (0.84)	φ49.5 (1.95)	28.4 (1.12)	φ16.7 (0.66)	R12.7 (0.5)	15.7 (0.62)
30~75	260.0 (10.25)	215.9 (8.5)	165.1 (6.5)	25.4 (1.0)	φ76.2 (3.0)	60.2 (2.37)	φ26.9 (1.06)	R25.4 (1.0)	22.4 (0.88)
100	285.8 (11.25)	241.3 (9.5)	190.2 (7.49)	31.0 (1.22)	φ88.9 (3.5)	63.5 (2.5)	φ26.9 (1.06)	R38.1 (1.5)	22.4 (0.88)
150	285.8 (11.25)	241.3 (9.5)	190.2 (7.49)	31.0 (1.22)	φ99.1 (3.9)	71.1 (2.8)	φ26.9 (1.06)	R38.1 (1.5)	22.4 (0.88)
200~250	408.9 (16.1)	330.3 (13.0)	254.0 (10.0)	31.7 (1.25)	φ136.6 (5.38)	116.8 (4.6)	φ39.6 (1.56)	R50.8 (2.0)	39.4 (1.55)

Wiring:

- Shielded, 4 conductor cable:
 - φ 5mm(5~20klb).
 - φ 8mm(30~250klb).
- Standard cable length: 9.3m.
- Cable type and cable length for customer's own application are available on request.
- Shield not connected to element.

Nr. 2009.12 HM9C Rev1