HM9C

FEATURES

- Nickel plated alloy steel IP68 dual shear beam load cell
- High accuracy
- Suitable for truck and track scales and other heavy weighing devices
- Hermetically sealed



test certificate no. D09-06.46

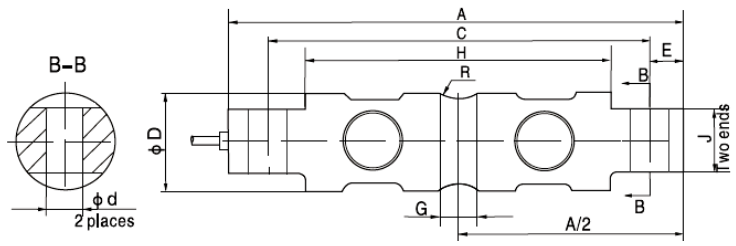
AVAILABLE MODELS

Capacity	Accuracy	Full article description
10 Klb	C3	HM9C-C3-10K-9B
20 Klb	C3	HM9C-C3-20K-9B
30 Klb	C3	HM9C-C3-30K-9B
40 Klb	C3	HM9C-C3-40K-9B
50 Klb	C3	HM9C-C3-50K-9B
60 Klb	C3	HM9C-C3-60K-9B
75 Klb	C3	HM9C-C3-75K-9B

SPECIFICATION

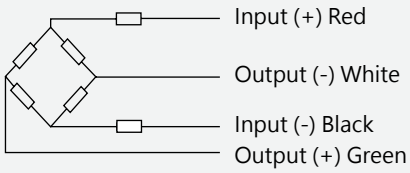
Accuracy class		OIML R60 C3		
Output sensitivity (=FS)	mV/V	3.0 ± 0.008		
Maximum capacity (E_{max})	klb	10/20/30/40/50/60/75		
Maximum number of load cell intervals (nLC)		3000		
Ratio of minimum LC verification interval Y=E_{max} / V_{min}		10000		
Combined error	%FS	± 0.023		
Minimum dead load	klb	0		
Safe overload	%FS	150		
Ultimate overload	%FS	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	700 ± 7		
Insulation resistance	MΩ	⩾ 5000 (50VDC)		
Compensated temperature	°C	-10 ~+40		
Operating temperature	°C	-35 ~ +65		
Storage temperature	°C	-40 ~ +70		
Element material		Alloy steel		
Ingress protection (according to EN 60529)		IP68		
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C	II3G Ex nL IIC T4

DIMENSIONS IN MM



Dimension / Capacity (klb)	A	C	H	G	ΦD	J	Φd	R	E
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 (10.24)	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)	22.2 (0.87)

WIRING



- Shielded, 4 conductor cable.
- Φ5mm (5k-20klb) Φ8mm (30k-250klb).
- Standard cable length: 9m
- Cable type and length for customer's own application are available on request.