

HM9E



test certificate no. TC7810 Revision 0
C of C no R60/2000-NL1-10.15



Certificate no. 10-057A1

- 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

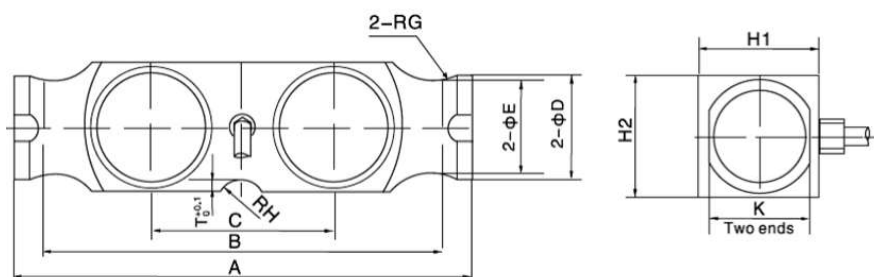
Available models

Capacity	Accuracy	Full article description
50 Klb	C3	HM9E-C3-50K-12B
65 Klb	C3	HM9E-C3-65K-12B
100 Klb	C3	HM9E-C3-100K-12B
125 Klb	C3	HM9E-C3-125K-12B
200 Klb	C3	HM9E-C3-200K-12B

Specification

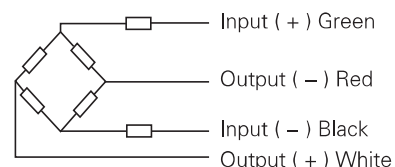
Accuracy class		OIML R60 C3
Output sensitivity (= FS)	mV/V	3.0 ± 0.003
Maximum capacity (Emax)	klb	50, 65, 100, 125, 200
Maximum number of load cell intervals (nLC)		3000
Ratio of minimum LC verification interval Y = Emax / vmin		10000
Combined error	%FS	± 0.023
Minimum dead load	of Emax	0%
Safe overload	of Emax	150 %
Ultimate overload	of Emax	300 %
Zero balance	%FS	± 1.0
Excitation, recommended voltage	V	5 ~ 12(DC)
Excitation maximum	V	18(DC)
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
Storage temperature	°C	-40 ~ +80
Element material		Nickel plated alloy steel
Ingress Protection (according to EN 60529)		IP68
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	B	C	ΦD	ΦE	RG	RH	T	H1	H2	K
50klb~125klb	260.5 (10.26)	215.9 (8.5)	101.6 (4.0)	61 (2.40)	52.32 (2.06)	25.4 (1.0)	25.4 (1.0)	7 (0.28)	76 (2.99)	76.2 (3.0)	55.9 (2.2)
200klb	304.8 (12.0)	254 (10.0)	111.8 (4.40)	70 (2.76)	56.69 (2.23)	38.1 (1.5)	38.1 (1.5)	10 (0.39)	86.1 (3.39)	86.36 (3.4)	63.5 (2.5)

Wiring



- Shielded, 4 conductor cable.
- Cable diameter: Φ8mm.
- Standard cable length: 12m.
- Shield not connected to element.