HM9E

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



AVAILABLE MODELS

xxklb	C3/A5M/B10M	HM9E-xx-xxK-12B
22t-100t (50klb-200klb) approved by OIML C3. 50klb-200klb approved by NTEP A5M/B10M.		

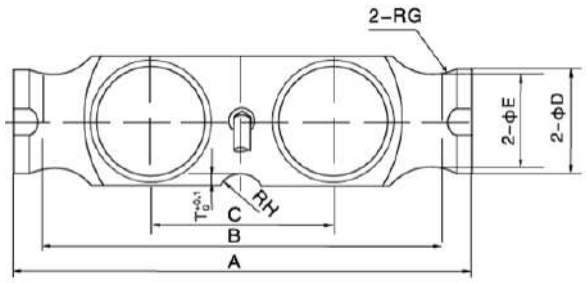
test certificate no. TC7810 Revision 0
C of C no R60/2000-NL1-10.15

Certificate no. 10-057A1

SPECIFICATION

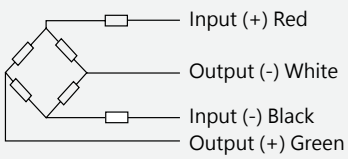
Maximum capacity (E_{max})	klb	50/65/100/125/200		
	t	20/30/45		
Accuracy class		C3	A5M	B10M
Approvals		OIML R60 C3	III 5000 Multiple	
Maximum number of load cell intervals (nLC)		3000	5000	10000
Ratio of minimum LC verification interval $Y=E_{max} / V_{min}$		10000	5000	10000
Combined error	%FS	±0.020	±0.026	±0.050
Creep	%FS/30min	±0.016	±0.017	±0.040
Temperature effect on sensitivity	%FS/10°C	±0.011	±0.013	±0.040
Temperature effect on zero	%FS/10°C	±0.015	±0.014	±0.020
Output sensitivity (= FS)	mV/V	3.0±0.003		
Input resistance	Ω	700±7		
Output resistance	Ω	703±4		
Insulation resistance	MΩ	⩾ 5000 (50VDC)		
Zero balance	%FS	±1.0		
Compensated temperature	°C	-10~+40		
Operating temperature	°C	-35~+70		
Excitation, recommended voltage	V	5~12 (DC)		
Excitation maximum	V	18 (DC)		
Safe overload	%FS	150		
Ultimate overload	%FS	300		
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD20 T73°C	II3G Ex nL IIC T4

DIMENSIONS IN MM



Dimension Capacity	A	B	C	ΦD	ΦE	RG	RH	T	H1	H2	K
20t~45t 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 is not connected to element.