HM9E

中航电测 **ZEMIC**
Measuring Excellence Worldwide

MC   c FM US APPROVED   Ex

- HM9E load cells are available in the capacities 50Klb~250Klb,20t~100t.
- Alloy steel construction, hermetically welded, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Dual shear beam, suitable for electronic truck scales, automobile testing facilities, track scales and other electronic weighing devices.
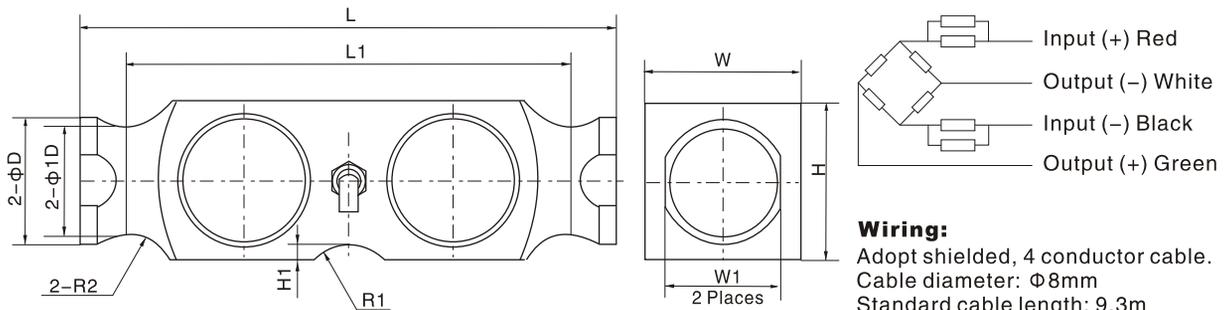
Features
- Capacity 5Klb~250Klb; 20t~100t
- High accuracy
- Alloy steel construction
- Easy installation and reliable performance

Ex NEPSI   IP68   RoHS

Specifications

Capacity	Klb		50/60/65/75/100/125/150/200/250			
	t		20/30/40/45/50/60/100			
Accuracy			C2	C3	A5S	A5M
Maximum number of verification intervals	nmax		2000	3000	5000	5000
Minimum load cell verification interval	vmin		Emax/5000	Emax/10000	Emax/15000	Emax/15000
Combined error	(%FS)		≤±0.030	≤±0.020	≤±0.018	≤±0.026
Creep	(%FS/30min)		≤±0.024	≤±0.016	≤±0.012	≤±0.017
Temperature effect on sensitivity	(%FS/10℃)		≤±0.017	≤±0.011	≤±0.009	≤±0.013
Temperature effect on zero	(%FS/10℃)		≤±0.023	≤±0.015	≤±0.010	≤±0.014
Output sensitivity	(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			
Temperature, compensated	(℃)		-10~+40			
Temperature, operating	(℃)		-35~+65			
Excitation, recommended	(V)		5~12(DC)			
Excitation, max	(V)		18(DC)			
Safe overload	(%FS)		150			
Ultimate overload	(%FS)		300			

Outline Dimension mm(inch)

Input (+) Red
Output (−) White
Input (−) Black
Output (+) Green

Wiring:
Adopt shielded, 4 conductor cable.
Cable diameter: Φ8mm
Standard cable length: 9.3m

Dimension / Capacity	L	L1	H	H1	W	W1	ΦD	ΦD1	R1	R2
20t ~ 60t,50Klb ~ 125Klb	260 (10.24)	215.9 (8.5)	76.2 (3.0)	7 (0.28)	76 (2.99)	55.9 (2.2)	Φ61 (2.4)	Φ52.3 (2.06)	25.4 (1.0)	25.4 (1.0)
100t,150Klb ~ 250Klb	304 (11.97)	254 (10.0)	86.36 (3.4)	10 (0.39)	86.1 (3.39)	63.5 (2.5)	Φ70 (2.76)	Φ59.7 (2.35)	38.1 (1.5)	38.1 (1.5)