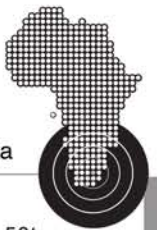


RICHTER SCALE

HM9B

Visit www.load-cell.co.za • T +27 (0)12 386 3065 • E: loadcells@richterscale.co.za



RoHS

- HM9B load cells are available in the capacities 10t~50t.
- Alloy steel construction, nickel plated, 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, railway scales and other electronic weighing devices.

Features

- Capacity: 10t~50t
- High accuracy
- Alloy steel construction
- Easy installation and reliable performance
- OIML Certificates No:R60/2000-CNI-06.06
- PTB Approval No:D09-06.08

Accessories

Button, steel ball, ball cup, base plate

Specifications

Capacity	t	10/20/25/30/40/40tSE/50				
Accuracy		C1	C2	C3	A5M	B10M
Approvals				OIML R60 C3		
Maximum number of verification intervals	n _{max}	1000	2000	3000	5000	10000
Minimum load cell verification interval	v _{min}	E _{max} /3000	E _{max} /5000	E _{max} /10000	E _{max} /15000	E _{max} /10000
Combined error	(%FS)	≤ ±0.050	≤ ±0.030	≤ ±0.020	≤ ±0.026	≤ ±0.050
Creep	(%FS/30min)	≤ ±0.038	≤ ±0.024	≤ ±0.016	≤ ±0.017	≤ ±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.028	≤ ±0.017	≤ ±0.011	≤ ±0.013	≤ ±0.040
Temperature effect on zero	(%FS/10°C)	≤ ±0.047	≤ ±0.023	≤ ±0.015	≤ ±0.014	≤ ±0.020
Output sensitivity	(mv/v)	2.0±0.002	2.3±0.002	2.4±0.002	1.9±0.002	1.8±0.002
Input resistance	(Ω)	700±7		775±5	750±7	
Output resistance	(Ω)	700±7				
Insulation resistance	(MΩ)	≥5000(50VDC)				
Zero balance	(%FS)	1.5				
Temperature, compensated	(°C)	-10~+40				
Temperature, operating	(°C)	-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)

10-40tSE

Capacity	10t	20t~40tSE	40t,50t
Dimension			
H	195 (7.68)	225 (8.86)	267 (10.51)
SΦ	50 (1.97)	76 (2.99)	82 (3.22)

40t,50t

Wiring:

Adopt shielded, 4 conductor cable: Φ5.5mm
Standard cable length: 12m