

Load Cell HM14H1



Features

- ◆Capacity 10t to 60t .
- ◆High accuracy.
- ◆Alloy construction.
- ◆Easy installation and reliable performance.

Products specification

- ◆HM14H1 load cells are available in the capacities 10t to 60t
- ◆Alloy steel construction, hermetically welded, oil-proof, waterproof and anti-corrosive gas and medium making it lightning protected in all kinds of environments.
- ◆Column construction, anti-rotation design, good self-aligning ability, suitable for electronic platform scales, automotive testing facilities, hopper scales and other electronic weighing devices.

Specifications

Capacity	t	10/15/20/25/30/40/50/60			
Accuracy class		C2	C3	A5S	A5M
Maximum number of verification intervals	n max	2000	3000	5000	5000
Minimum load cell verification interval	v min	E _{max} /5000	E _{max} /10000	E _{max} /15000	E _{max} /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°C)	≤ ± 0.017	≤ ± 0.011	≤ ± 0.009	≤ ± 0.013
Temperature effect on zero	(%FS/10°C)	≤ ± 0.023	≤ ± 0.015	≤ ± 0.010	≤ ± 0.014
Output sensitivity	(mv/v)	2.0 ± 0.002			
Input resistance	(Ω)	700 ± 7			
Output resistance	(Ω)	703 ± 4			
Insulation resistance	(M Ω)	≥ 5000(50VDC)			
Zero balance	(%FS)	1.0			
Temperature, compensated	(° C)	-10~+40			
Temperature, allowed	(° 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)

