



HM14C

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- HM14C load cells are available in the capacities 10t~50t.
- Alloy steel construction, hermetically welded, oil proof, waterproof, anti-corrosive gas and medium making it lightning protected in all kinds of environments.
- Column structure, anti-reversal design, good self-aligning ability, suitable for electronic platform scales, automobile testing facilities, hopper scales and other electronic weighing devices.

Features

- Capacity 10t~50t
- High accuracy
- Alloy steel construction
- Easy installation and reliable performance

Accessories

- HM-14-401 • BM-14-407
- HM-14-403 • BM-14-408

Specifications

Capacity	t	10/20/25/30/50			
		C2	C3	A5S	A5M
Accuracy					
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)	$\leq \pm 0.030$	$\leq \pm 0.020$	$\leq \pm 0.018$	$\leq \pm 0.026$
Creep	(%FS/30min)	$\leq \pm 0.024$	$\leq \pm 0.016$	$\leq \pm 0.012$	$\leq \pm 0.017$
Temperature effect on sensitivity	(%FS/10°C)	$\leq \pm 0.017$	$\leq \pm 0.011$	$\leq \pm 0.009$	$\leq \pm 0.013$
Temperature effect on zero	(%FS/10°C)	$\leq \pm 0.023$	$\leq \pm 0.015$	$\leq \pm 0.010$	$\leq \pm 0.014$
Output sensitivity	(mv/v)	2.0±0.004			
Input resistance	(Ω)	700±7			
Output resistance	(Ω)	703±4			
Insulation resistance	(MΩ)	≥5000(50VDC)			
Zero balance	(%FS)	1.0			
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)

