

BM14C



- BM14C load cells are available in the capacities 0.5t~50t.
- Stainless 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.
- Safe and anti-explosive product, can be used in atrocious environment and hazardous areas.

Features

- Capacity 0.5t~50t
- High accuracy
- Stainless steel construction
- Easy installation and reliable performance
- PTB Approval No: D09-07.03 Revision 1

Accessories

- BM-14-407 • HM-14-401
- BM-14-408 • HM-14-403
- BM-14-414 • HM-14-416

Specifications

Capacity	t	0.5/1/2/3/5/10/20/25/30/40/50				
		C2	C3	C4	A5S	A5M
Accuracy			OIML R60 C3	OIML R60 C4		
Approvals						
Maximum number of verification intervals	n _{max}	2000	3000	4000	5000	5000
Minimum load cell verification interval	v _{min}	E _{max} /5000	E _{max} /10000	E _{max} /14000	E _{max} /15000	E _{max} /15000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.018	≤ ±0.018	≤ ±0.026
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.012	≤ ±0.012	≤ ±0.017
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.009	≤ ±0.009	≤ ±0.013
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.010	≤ ±0.010	≤ ±0.014
Output sensitivity	(mv/v)	2.0±0.002				
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)

Side View Dimensions: ΦD , 31.5 (1.24), 118.5 (4.67), 14 (0.55), 11 (0.43), $\Phi 88.9 (\Phi 3.5)$

Top View Dimensions: $\Phi 50 (1.97)$, R5, 70 (2.75), L

A View

Capacity Dimension	0.5t ~ 30t	40t, 50t
ΦD	40(1.57)	50(1.97)
L	22(0.87)	28(1.06)

Wiring:
Adopt shielded, 4 conductor cable: $\phi 5\text{mm}$
Standard cable length: 15m