



- ◆ BM14G load cells are available in the capacities 10t to 50t.
- ◆ They offer 17-4PH stainless steel construction, electronic hermetic sealing, oil-proof, waterproof and anti-corrosive gas and medium making them lightning protected in all kinds of environment.
- ◆ Single column design, automatically recovery and they are suitable for platform scale, automobile testing facilities, hopper scale and other electronic weighing devices.

Important Features

- ◆ Capacities: 10t to 50t.
- ◆ High accuracy.
- ◆ Stainless steel construction.
- ◆ Easy installation and reliable performance.
- ◆ With OIML approval: (PTB:D09-05.21)

Accessories

- ◆ BY-14-105

Specifications

Capacity	t	10/20/30/40/50				
		C2	C3	C4	A5M	B 0M
Accuracy class						
Approval		OIML R60 C3				
Maximum number of verification intervals	n max	2000	3000	4000	5000	10000
Minimum load cell verification interval	v min	E _{max} /5000	E _{max} /12000	E _{max} /14000	E _{max} /15000	E _{max} /10000
Combined error	(%FS)	≤ ± 0.030	≤ ± 0.020	≤ ± 0.018	≤ ± 0.026	≤ ± 0.050
Creep	(%FS/30min)	≤ ± 0.023	≤ ± 0.016	≤ ± 0.012	≤ ± 0.017	≤ ± 0.040
Temperature effect on sensitivity	(%FS/10°C)	≤ ± 0.017	≤ ± 0.011	≤ ± 0.009	≤ ± 0.013	≤ ± 0.040
Temperature effect on zero	(%FS/10°C)	≤ ± 0.029	≤ ± 0.012	≤ ± 0.010	≤ ± 0.014	≤ ± 0.020
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)	1.5				
Temperature, compensated	(°C)	-10~+40				
Temperature, allowed	(°C)	-40~+80				
Excitation, Recommended	(V)	5~12(DC)				
Excitation, Max	(V)	18(DC)				
Safe overload	(%FS)	150				
Ultimate overload	(%FS)	300				

