

BM14G
Load Cell BM14G



Products specification

- ◆BM14G load cells are available in the capacities 10t to 50t .
- ◆Stainless steel construction,hermetically welded,oil-proof, waterproof and anti-corrosive gas and medium making it lightning protected in all kinds of environment.
- ◆Column structure,anti-reversal design,good self-aligning ability, suitable for electronic platform scales,automobile testing facilities, hopper scales and other electronic weighing devices.

Important Features

- ◆Capacity 10t to 50t .
- ◆High accuracy.
- ◆Stainless steel construction.
- ◆Easy installation and reliable performance.
- ◆With OIML approval.

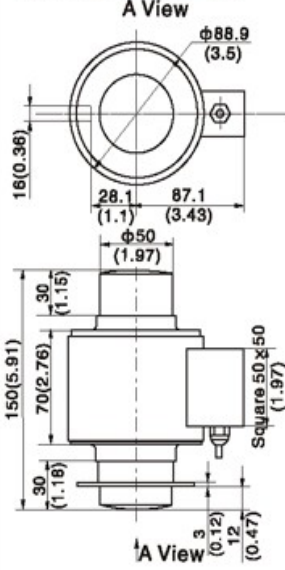
Specifications

Capacity	t	10/20/30/40/50				
Accuracy class		C2	C3	C4	A5S	A5M
Approval			OIML R60 C3			
Maximum number of verification interval	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 ± 0.02				
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				

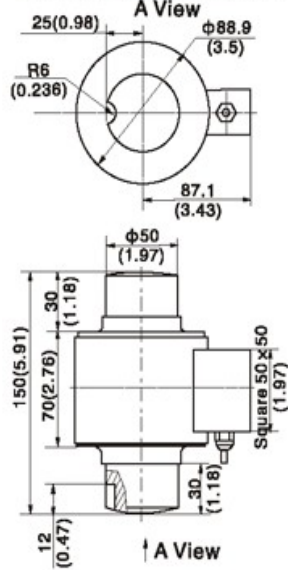
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Outline Dimension mm(inch)

BM14G-XX-XX-XB

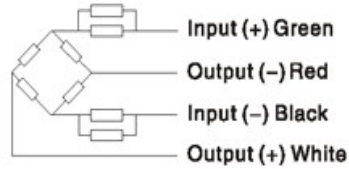


BM14G-XX-XX-XB-W1



Note:

- BM14G-XX-XX-XB type is not suitable for the following countries: UK, France, Germany, Italy, The Netherlands.
- Users can choose different structures of BM14G products, or contact with ZEMIC sales representatives for further products information.



Wiring:

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

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