

BM14G

中航电测 ZEMIC
Measuring Excellence Worldwide



- BM14G load cells are available in the capacities 10t~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.

Features

- Capacity 10t~50t
- High accuracy
- Stainless steel construction
- Easy installation and reliable performance
- PTB Approval No: D09-05.21 Revision 1

Accessories

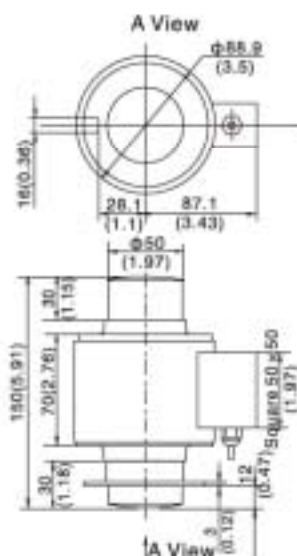
- BY-14-105 • BY-14-106
- BY-14-108

Specifications

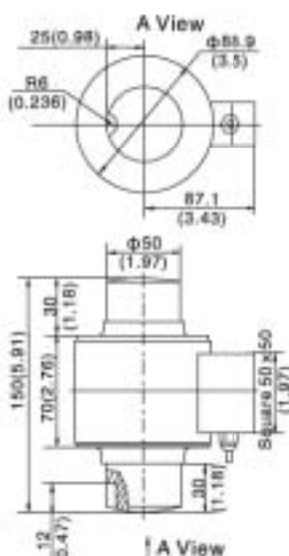
Capacity	t	10/20/30/40/50				
Accuracy		C2	C3	C4	A5S	A5M
Approvals		OIML R60 C3				
Maximum number of verification intervals	n_{max}	2000	3000	4000	5000	5000
Minimum load cell verification interval	V_{min}	$E_{max}/5000$	$E_{max}/10000$	$E_{max}/14000$	$E_{max}/15000$	$E_{max}/15000$
Combined error	(%FS)	$\leq \pm 0.030$	$\leq \pm 0.020$	$\leq \pm 0.018$	$\leq \pm 0.018$	$\leq \pm 0.026$
Creep	(%FS/30min)	$\leq \pm 0.024$	$\leq \pm 0.016$	$\leq \pm 0.012$	$\leq \pm 0.012$	$\leq \pm 0.017$
Temperature effect on sensitivity	(%FS/10°C)	$\leq \pm 0.017$	$\leq \pm 0.011$	$\leq \pm 0.009$	$\leq \pm 0.009$	$\leq \pm 0.013$
Temperature effect on zero	(%FS/10°C)	$\leq \pm 0.023$	$\leq \pm 0.015$	$\leq \pm 0.010$	$\leq \pm 0.010$	$\leq \pm 0.014$
Output sensitivity	(mv/v)	2.0 ± 0.02				
Input resistance	(Ω)	700 ± 7				
Output resistance	(Ω)	703 ± 4				
Insulation resistance	(M Ω)	$\geq 5000(50VDC)$				
Zero balance	(%FS)	1.0				
Temperature, compensated	(°C)	$-10 \sim +40$				
Temperature, operating	(°C)	$-35 \sim +70$				
Excitation, recommended	(V)	$5 \sim 12(DC)$				
Excitation, max	(V)	18(DC)				
Safe overload	(%FS)	150				
Ultimate overload	(%FS)	300				

Outline Dimension mm(inch)

BM14G-XX-XX-XB

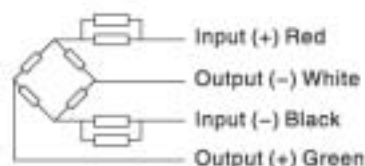


BM14G-XX-XX-XB-W1



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: $\phi 5mm$
Standard cable length: 15m