BM14G

- Stainless steel IP68 compression load cell
- Hermetically sealed
- Suitable for hopper scales and vehicle testing facilities
- Built in surge arrestors
- Current calibrated (sc–option)



Available models

xxt	C3/A5M/B10M	BM14G–xx–xxt–15B–SC
OIML Certificate (10t–50t C3 Class). NTEP A5M/B10M Certificate (10t–50t). SC: output in mv/v/ohm		

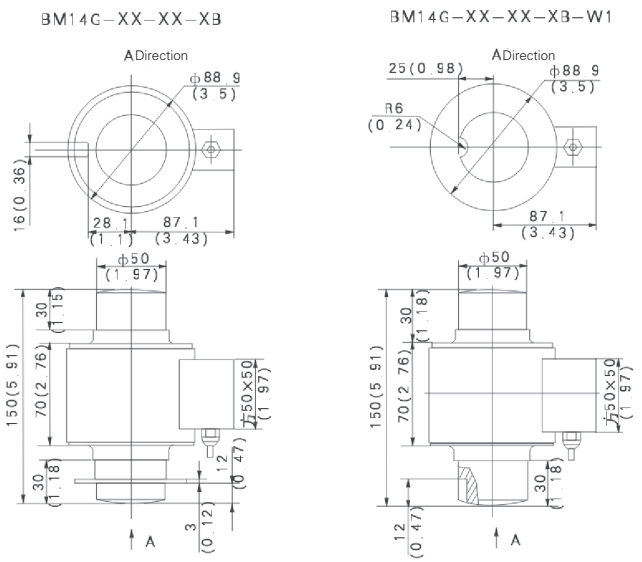
test certificate no. D09–05.21 Revision 1
R60/2000–CN1–06.07

Certificate no. 10–087

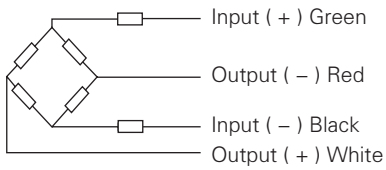
Specification

Maximum capacity (Emax)	t	10/20/30/40/50			
Accuracy class		C3	C4	B10M	A5M
Approvals		OIML R60 C3			
Maximum number of load cell intervals (nLC)		3000	4000	10000	5000
Ratio of minimum LC verification interval Y = Emax / vmin		10000	14000	10000	15000
Combined error	%FS	± 0.020	± 0.018	± 0.05	± 0.026
Creep	%FS/30min	± 0.016	± 0.012	± 0.04	± 0.017
Temperature effect on sensitivity	%FS/10℃	± 0.011	± 0.009	± 0.04	± 0.013
Temperature effect on zero	%FS/10℃	± 0.015	± 0.010	± 0.02	± 0.014
Output sensitivity (= FS)	mV/V	2.0 ± 0.02			
Input resistance	Ω	700 ± 7			
Output resistance	Ω	703 ± 4			
Insulation resistance	MΩ	⩾ 5000(50VDC)			
Zero balance	%FS	± 1.0			
Compensated temperature	℃	–10 ~ +40			
Operating temperature	℃	–35 ~ +70			
Excitation, recommended voltage	V	5 ~ 12(DC)			
Excitation maximum	V	18(DC)			
Safe overload	%FS	150			
Ultimate overload	%FS	300			
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD20 T73℃		II3G Ex nL II C T4

Dimensions in mm



Wiring



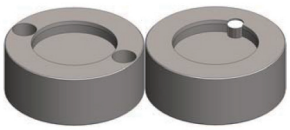
- Shielded, 4 conductor cable
- Cable Diameter: Φ5mm
- Standard cable length: 15m
- Shield not connected to element

Note:

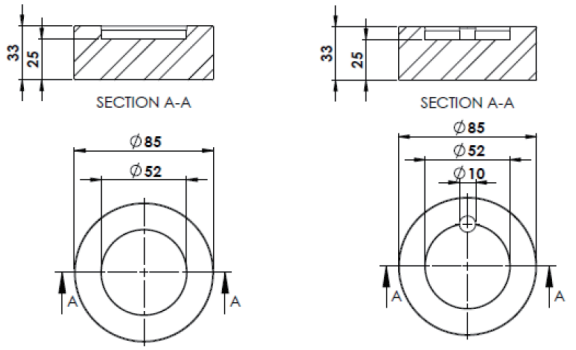
- BM14G–XX–XX–XB type is not suitable for the following countries: UK, France, Germany, Italy, The Netherlands.
- Users can choose different structures of BM14G products, or contact with ZEMIC sales representaives for further products information.

Accessories

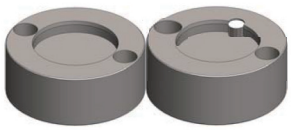
BY-14-125-10t/50t



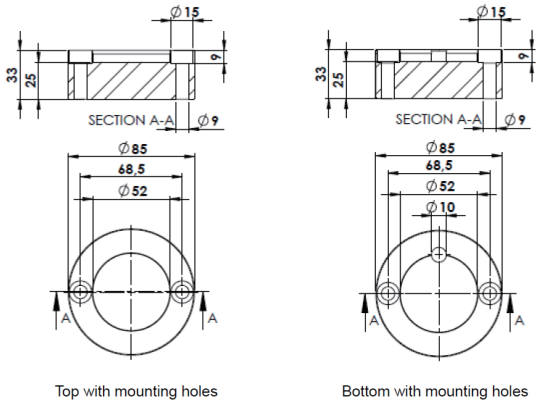
1 piece, top with mounting holes
1 piece, bottom without mounting holes



BY-14-126-10t/50t



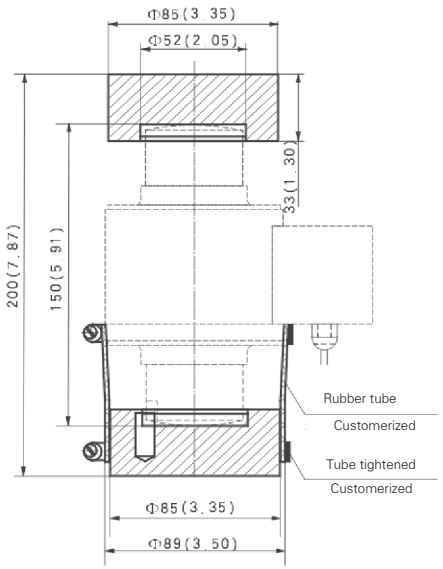
1 piece, top with mounting holes
1 piece, bottom with mounting holes

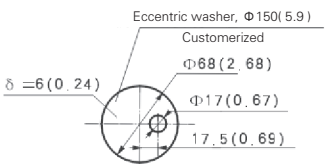


BY-14-108

Stainless ateel, assembled with: BM14G(–W1)







Capacity	Part number
10t–50t	BY–14–108–10/50t

Short description

Easy installation, good self–aligning ability, anti–reversal ability.