BM14C

FEATURES

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



OIML test certificate no. D09-07.03 Revision 1

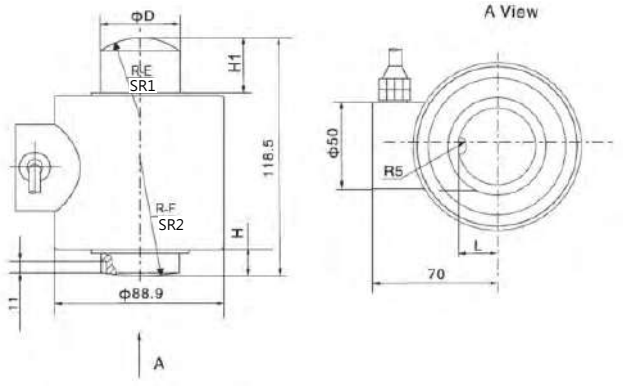
AVAILABLE MODELS

Capacity	Accuracy	Full article description
0.5 t	C3 Excluded from OIML	BM14C-C3-0.5t-15B
1.0 t	C3 Excluded from OIML	BM14C-C3-1.0t-15B
2.0 t	C3 Excluded from OIML	BM14C-C3-2.0t-15B
3.0 t	C3 Excluded from OIML	BM14C-C3-3.0t-15B
5.0 t	C3 Excluded from OIML	BM14C-C3-5.0t-15B
10 t	C3/C4	BM14C-C3/C4-10t-15B
20 t	C3/C4	BM14C-C3/C4-20t-15B
25 t	C3/C4	BM14C-C3/C4-25t-15B
30 t	C3/C4	BM14C-C3/C4-30t-15B
40 t	C3/C4	BM14C-C3/C4-40t-15B
50 t	C3/C4	BM14C-C3/C4-50t-15B

SPECIFICATION

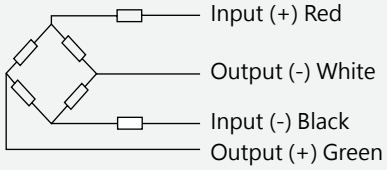
Accuracy class		C3	OIML R60 C3	OIML R60 C4
Output sensitivity (=FS)	mV/V	2.0 ± 0.002		
Maximum capacity (E_{max})	t	0.5/1/2/3/5	10/20/25/30/40/50	
Maximum number of load cell intervals (nLC)		3000		4000
Ratio of minimum LC verification interval $Y=E_{max} / V_{min}$		10000		15000
Combined error	%FS	± 0.023		± 0.0174
Minimum dead load	%FS	0		
Safe overload	%FS	150		
Ultimate overload	%FS	300		
Zero balance	%FS	± 1.0		
Excitation, recommended voltage	V	5 ~ 12 (DC)		
Excitation maximum	V	18 (DC)		
Input resistance	Ω	700 ± 7		
Output resistance	Ω	703 ± 4		
Insulation resistance	MΩ	⩾ 5000 (50VDC)		
Compensated temperature	°C	-10 ~+40		
Operating temperature	°C	-35 ~ +65		
Element material		Stainless steel		
Ingress protection (according to EN 60529)		IP68		
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C	II3G Ex nL IIC T4

Dimensions in mm



Dimension Capacity	ΦD	L	SR1	SR2	H	H1
0.5-5t	40 (1.57)	22 (0.87)	25 (0.98)	150 (5.91)	14 (0.55)	31.5 (1.24)
10-30t	40 (1.57)	22 (0.87)	37.5 (1.48)	150 (5.91)	14 (0.55)	31.5 (1.24)
40-50t	50 (1.97)	27 (1.06)	200 (7.87)	200 (7.87)	21 (0.83)	24.5 (0.96)

Wiring



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