BM14D



- Stainless steel IP68 compression/tension load cell
- Hermetically sealed
- Suitable for vehicle and hopper scales and vehicle testing facilities
- Built in surge arrestors

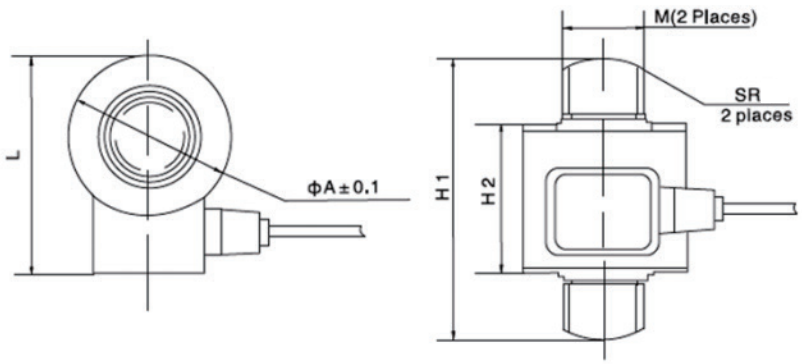
Available models

Capacity	Accuracy	Full article description
10 t	C2	BM14D–C2–10t–13B
20 t	C2	BM14D–C2–20t–13B
25 t	C2	BM14D–C2–25t–13B
30 t	C2	BM14D–C2–30t–13B
40 t	C2	BM14D–C2–40t–13B
50 t	C2	BM14D–C2–50t–13B
100 t	C2	BM14D–C2–100t–13B

Specification

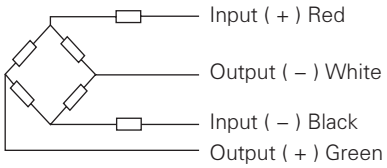
Accuracy class		C2		
Output sensitivity (= FS)	mV/V	1.5 ± 0.003		
Maximum capacity (E_{max})	t	10/20/25/30/40/50/100		
Maximum number of load cell intervals (nLC)		2000		
Ratio of minimum LC verification interval Y = E_{max} / v_{min}		5000		
Combined error	%FS	± 0.030		
Minimum dead load	%FS	0		
Safe 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	℃	–10 ~+40		
Operating temperature	℃	–35 ~ +65		
Storage temperature	℃	–40 ~ +70		
Element material		Stainless steel		
Ingress protection (according to EN 60529)		IP68		
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73℃	II3G Ex nL IIC T4

Dimensions in mm



Dimension / Capacity	H1	H2	ΦA	L	M	SR
10t~20t	180 (7.08)	69.3 (2.73)	73 (2.87)	99.7 (3.92)	M36×3	200 (7.87)
25t~30t	200 (7.87)	70 (2.75)	88.9 (3.5)	115.6 (4.55)	M42×3	250 (9.84)
40t~60t	250 (9.84)	99.3 (3.91)	105 (4.13)	138.3 (5.44)	M56×4	300 (11.81)
100t	350 (13.7)	131.9 (5.19)	152.4 (4.93)	183.9 (7.14)	M76×4	400 (15.75)

Wiring



- Shielded, 4 conductor cable.
- Cable diameter: Φ7.7mm
- Standard cable length: 13m.
- Shield not connected to element