

Capacity	Accuracy	Part-Number
10 t	C2	BM14D-C2-10t-20B
20 t	C2	BM14D-C2-20t-20B
25 t	C2	BM14D-C2-25t-20B
30 t	C2	BM14D-C2-30t-20B
40 t	C2	BM14D-C2-48t-20B
50 t	C2	BM14D-C2-50t-20B
100 t	C2	BM14D-C2-100t-20B



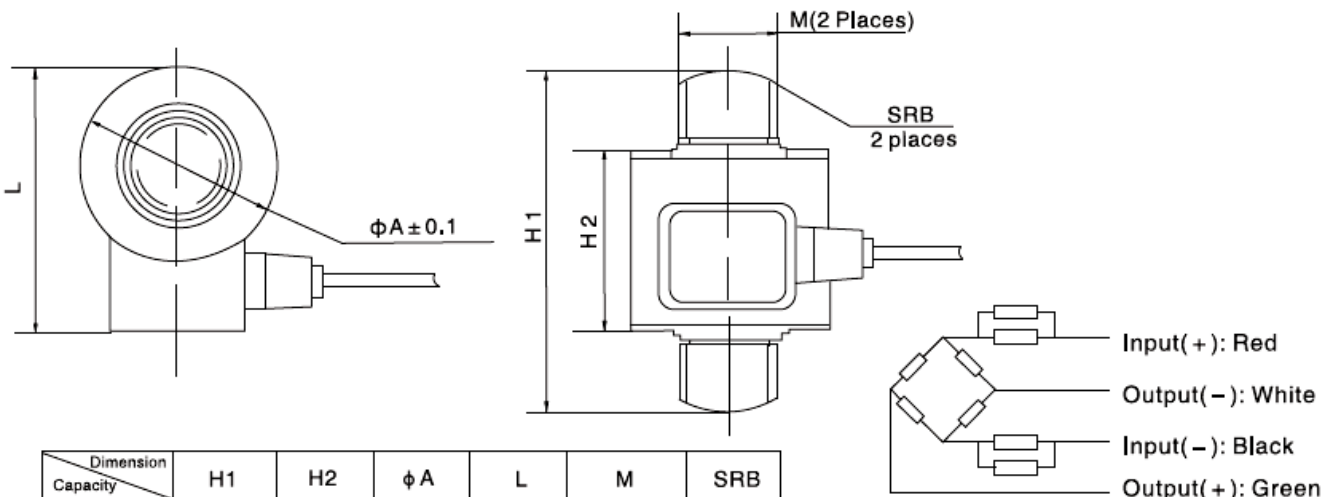
- Stainless steel IP68 compression load cell
- Hermetically closed
- Suitable for vehicle and hopper scales and vehicle testing facilities
- Protection against lightning surges



## Specification:

Accuracy class		C2		
Output sensitivity (= FS)	mV/V	1.5 ± 0.002		
Maximum capacity (E <sub>max</sub> )	t	10, 20, 25, 30, 40, 50, 100		
Maximum number of load cell intervals (n <sub>LC</sub> )		2000		
Ratio of minimum LC verification interval Y = E <sub>max</sub> / v <sub>min</sub>		5000		
Combined Error	%FS	± 0.030		
Safe overload	of E <sub>max</sub>	150 %		
Ultimate overload	of E <sub>max</sub>	300 %		
Zero balance	of FS	< ± 1.0 %		
Excitation, recommended voltage	V	5 ~ 12		
Excitation maximum	V	18		
Terminal resistance, input	Ω	700 ± 7		
Terminal resistance, output	Ω	703 ± 4		
Insulation impedance	MΩ	≥5000 ( at 50VDC )		
Temperature range, compensated	°C	-10 ~ +40		
Temperature range, operating	°C	-35 ~ +65		
Element material		Stainless steel		
Ingress Protection (according to EN 60529)		IP68		
ATEX classification (optional)		II1G Ex ia II1C T4	II1D Ex iaD 20 T73°C	II3G nL IIC T4

## Outline Dimensions in mm



Dimension Capacity	H1	H2	φ A	L	M	SRB
10-20	180 (7.08)	69.3 (2.73)	73 (2.87)	99.7 (3.92)	M36 × 3	200 (7.87)
25-30	200 (7.87)	70 (2.75)	88.9 (3.5)	115.6 (4.55)	M42 × 3	250 (9.84)
40-60	250 (9.84)	99.3 (3.91)	105 (4.13)	138.3 (5.44)	M56 × 4	300 (11.8)
100	350 (13.7)	131.9 (5.19)	152.4 (4.93)	183.9 (7.14)	M76 × 4	400 (15.7)

### Wiring:

- Shielded, 4 conductor cable.
- Standard cable length: 20 m.
- Cable type and cable length for customer's own application are available on request.
- Shield not connected to element.