BM24R

- Stainless steel IP68 low profile load cell
- Hermetically sealed
- Suitable for hopper, platform and pallet scales
- Integrated static overload protection up to 13t

AVAILABLE MODELS

Capacity	Accuracy	Full article description
60 kg	C3/C4/C5	BM24R -60kg -C3/C4/C5 -3G
130 kg	C3/C4/C5	BM24R -130kg -C3/C4/C5 -3G
280 kg	C3/C4/C5	BM24R -280kg -C3/C4/C5 -3G
250 kg	C3/C4/C5	BM24R -250kg -C3/C4/C5 -3G
500 kg	C3/C4/C5	BM24R -500kg -C3/C4/C5 -3G
1 t	C3/C4/C5	BM24R -1t -C3/C4/C5 -3G
2 t	C3/C4/C5	BM24R-2t -C3/C4/C5 -6G
3.5 t	C3/C4/C5	BM24R-3.5t -C3/C4/C5 -6G
5 t	C3/C4/C5	BM24R-5t -C3/C4/C5 -6G
10 t	C3/C4/C5	BM24R-10t -C3/C4/C5 -15G
13 t	C3/C4/C5	BM24R-13t -C3/C4/C5 -15G
28 t	C3/C4/C5	BM24R-28t -C3/C4/C5 -15G
60 t	C3/C4/C5	BM24R-60t -C3/C4/C5 -15G



BM24R
60kg - 280kg



BM24R
250kg - 13t



BM24R
28t - 60t

test certificate no. TC7865 Revision 1
C of C no R60/2000-NL1-11.21

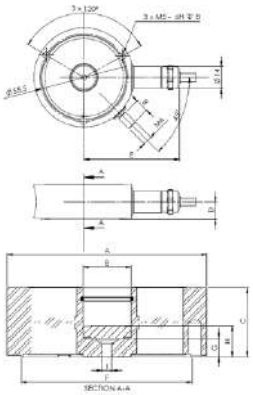
Certificate no. 11-103A1

SPECIFICATION

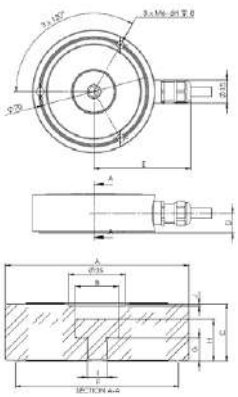
Accuracy class		OIML R60 C3 / OIML R60 C4 / OIML R60 C5					
Output sensitivity (= FS)	mV/V	1±0.01	1.75±0.1	2.0±0.1	2.0±0.1	2.0±0.1	2.0±0.1
Maximum capacity (Emax)	t	0.06/0.13/0.28	0.25	0.5/1/2/3.5/5/10	13	28	60
Maximum number of load cell intervals (nLC)		C3=3000, C4=4000, C5=5000					
Ratio of minimum LC verification interval Y=Emax / Vmin		C3=10000, C4 and C5=16000					
Combined error	%FS	C3=±0.0230, C4=±0.0174, C5=±0.0140					
Minimum dead load	%FS	0					
Safe overload	%FS	150					
Safe sideload	%FS	75					
Zero balance	%FS	± 1.0					
Excitation, recommended voltage	V	10 ~ 15 (DC)					
Excitation maximum	V	30 (DC)					
Input resistance	Ω	1260 ±100	1100 ±100	1100 ±100	1200 ±100	1075 ±100	1350 ±200
Output resistance	Ω	1020 ± 0.5	1025 ± 25	1025 ± 25	1000 ± 0.5	930 ± 0.5	1175 ± 0.5
Insulation resistance	MΩ	⩾ 5000 (50VDC)					
Compensated temperature	°C	-10 ~+40					
Operating temperature	°C	-35 ~ +65					
Temperature range, storage	°C	-40 ~ +70					
Element material		Stainless steel					
Ingress protection (according to EN 60529)		IP68					
Recommended torque on fixation	N.m	M5: 3.5 M6:10					
ATEX classification (optional)		II1G Ex ia IIC T4 Ga, II1D Ex ia IIIC T73°C , II3G Ex ic IIC T4 Gc, II3G Ex nA IIC T4 Gc, II3D Ex tc IIIC T63°C Dc					

DIMENSIONS IN MM

0.06, 0.13, 0.28t



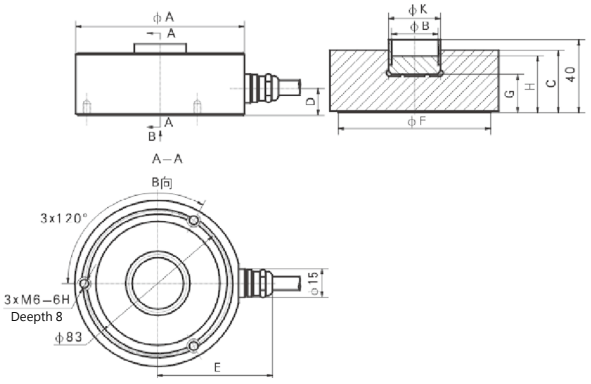
250kg, 0.5, 1, 2, 3.5, 5t



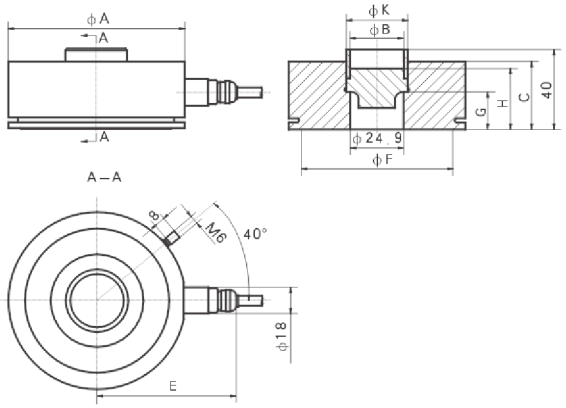
BM24R

OUTLINE DIMENSION MM (INCH)

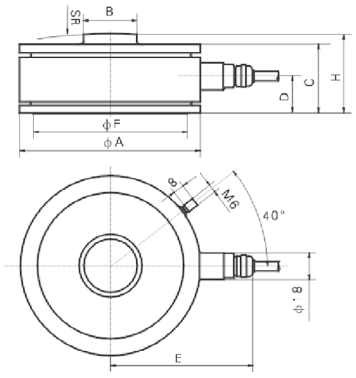
BM24R–10 t



BM24R 13 t

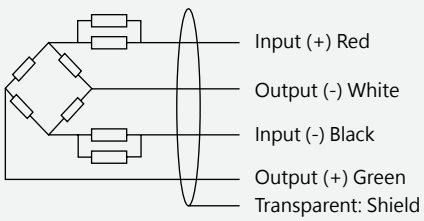


BM24R 28 t / 60 t



Dimension / Capacity	ΦA	ΦB	C	D	E	ΦF	G	H	I	J	ΦK	SR
60kg / 130kg / 280kg	63	15.1	22	11	60	54	6	10	Φ3.2	--	--	--
0.25t/0.5t/1t	80	19	26	12.5	65	71	10	18	M10	1	25	--
2t / 3.5t	80	19	30	12.5	65	71	10	18	Φ15	6	25	--
10t	95	26	35	12.5	72	75	20.7	31.2	--	--	29	--
13t	95	26	35	20	85	79.5	20	31	--	--	29	--
28t	120	35.9	46	25	94	102	--	53	--	--	--	400
60t	140	47.9	62	34	104	124	--	69	--	--	--	600

WIRING



Capacity	Standard cable length (m)
60Kg	3
130Kg	
250Kg	
280Kg	
500Kg	
1t	
2t	6
3.5t	
5t	
10t	15
13t	
28t	
60t	

- Adopt shielded, 4 conductor cable: Φ6.2±0.1mm