

MINIATURE COLUMN LOAD CELL

Model LBOM

Compression load cell.

These load cells are extremely small and lightweight.



SPECIFICATIONS

Specifications	Accuracy
Rated capacity(R.C.)	100,200,250,500,750,1K,2K,3K,5K,10K,15K,20K,30K,50K LB
Rated output(R.O.)	2mV/V
Nonlinearity	0.25% of R.O.
Hysteresis	0.25% of R.O.
Repeatability	0.1% of R.O.
Zero balance	± 1.0% of R.O.
Temperature effect, on rated output	0.1% of LOAD / 10°C
Temperature effect, on zero balance	0.05% of R.O. / 10°C
Temperature range, compensated	-10~60°C
Operating temperature range	-10~80°C
Terminal resistance input	350±30Ω
Terminal resistance output	350±2Ω
Insulation resistance bridge/case	2000 MΩ
Excitation recommended	10V
Safe overload	150% R.C.

DIMENSIONS TABLE

unit:inch

Capacity lb	D DIA.	D1 DIA.	H	H1	Button Radius	A Thread UNC	B Thread Depth	C Bolt Circle	Natural Ringing Frequency HZ	Deflection Inches	wt. oz
100	.21	1.000	.40	.05	2.0	4-40	.22	.750	25,000	.001	1.0
100	.32	1.240	.40	.07	2.0	6-32	.22	1.000	25,000	.001	1.2
250	.32	1.240	.40	.07	2.0	6-32	.25	1.000	25,000	.001	1.2
500	.32	1.240	.40	.07	2.0	6-32	.25	1.000	28,000	.001	1.2
750	.32	1.240	.40	.07	2.0	6-32	.25	1.000	25,000	.001	1.2
1,000	.32	1.240	.40	.07	2.0	6-32	.25	1.000	32,000	.001	1.3
2,000	.32	1.240	.40	.07	2.0	6-32	.25	1.000	25,000	.001	1.3
3,000	.45	1.490	.62	.08	4.0	6-32	.25	1.250	28,000	.002	3.0
5,000	.45	1.490	.62	.08	4.0	6-32	.25	1.250	22,000	.002	3.0
10,000	.45	1.490	.62	.08	4.0	6-32	.25	1.250	24,000	.002	3.0
15,000	.60	1.990	1.00	.12	6.0	6-32	.25	1.625	20,000	.002	8.0
20,000	.60	1.990	1.00	.12	6.0	6-32	.25	1.625	20,000	.002	9.0
30,000	.60	1.990	1.00	.12	6.0	6-32	.25	1.625	15,500	.002	9.0
50,000	.80	2.990	1.50	.18	6.0	6-32	.25	2.375	10,000	.003	33.0

