

## LBM COMPRESSION LOAD BUTTON (U.S. & METRIC)

### FEATURES & BENEFITS

- Capacities from 25 to 50K lbf (0.11 to 222 kN)
- Temperature compensated
- Integral load button
- Small diameter
- Environmentally sealed

### SPECIFICATIONS

ACCURACY – (MAX ERROR)		
Nonlinearity – %FS		±0.5
Hysteresis – %FS		±0.3
Non-repeatability – %RO		±0.10
TEMPERATURE		
Compensated Range	°F	+70 to +170
	°C	+21 to +77
Operating Range	°F	-65 to +200
	°C	-54 to +93
Effect on Zero – %RO / °F MAX		±0.005
Effect on Output – %RO / °F MAX		±0.005
Zero Balance – %FS		±2.0
ELECTRICAL		
Rated Output – mV/V (nominal)		2.0
Bridge Resistance – Ohm (nominal)		350
Excitation Voltage – VDC MAX		10
MECHANICAL		
Calibration		Comp.
Deflection		0.001-0.003
Safe Overload – %CAP		150
Ultimate Overload % of CAP Cable		300
Material		Stainless steel

### STANDARD CONFIGURATION



Model LBM-5K (Shown)

### OPTIONS

- Custom calibration
- Standardized output
- Special temperature range
- Cable length
- Add connector to cable
- Transducer Electronic Data Sheet (TEDS)

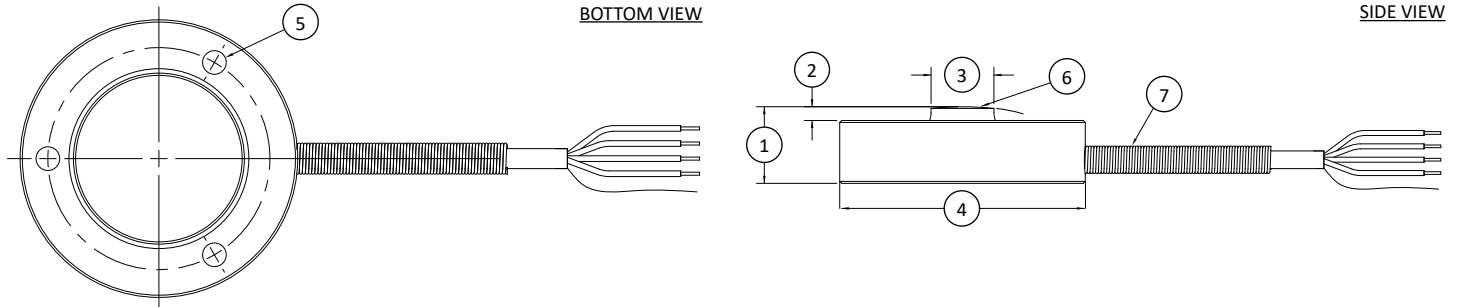
### ACCESSORIES

- Instrumentation

### CONNECTOR OPTIONS

- 5 ft (1.5 m) integral cable (LBM)

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### DIMENSIONS

See Drawing	CAPACITY									
	U.S. (lbf)	Metric (kN)	U.S. (lbf)	Metric (kN)	U.S. (lbf)	Metric (kN)	U.S. (lbf)	Metric (kN)	U.S. (lbf)	Metric (kN)
	25, 50, 100	0.11, 0.22, 0.44	250, 500, 1K, 2K	1.11, 2.22, 4.45, 8.9	5K, 10K	22.2, 44.5	20K	89	50K	222
	in	mm	in	mm	in	mm	in	mm	in	mm
(1)	0.63	16.0	0.39	9.90	0.63	16.0	1.0	25.4	1.50	38.1
(2)	0.05	1.30	0.07	1.80	0.08	2.00	0.12	3.00	0.18	4.60
(3)	0.21	5.30	0.32	8.10	0.43	10.9	0.60	15.0	0.78	19.8
(4)	1.00	25.4	1.25	31.8	1.50	38.1	2.00	50.8	3.00	76.2
(5)	(4-40) UNC ↓ 0.19 EQ SP Ø0.75 B.C.	(4-40) UNC ↓ 4.83 EQ SP Ø19.0 B.C.	(6-32) UNC ↓ 0.25 EQ SP Ø1.00 B.C.	(6-32) UNC ↓ 6.35 EQ SP Ø25.4 B.C.	(6-32) UNC ↓ 0.25 EQ SP Ø1.25 B.C.	(6-32) UNC ↓ 6.35 EQ SP Ø31.8 B.C.	(6-32) UNC ↓ 0.25 EQ SP Ø1.63 B.C.	(6-32) UNC ↓ 6.35 EQ SP Ø41.3 B.C.	(6-32) UNC ↓ 0.25 EQ SP Ø2.38 B.C.	(6-32) UNC ↓ 6.35 EQ SP Ø60.3 B.C.
(6)	3 Places									
(7)	Spherical load button									
(7)	Stainless steel spring strain relief									