

# MINIATURE INDUSTRIAL COMPRESSION LOAD CELL WITH THROUGH-BODY MOUNTING HOLES



**LCGB Series  
Compression**  
0-50 lb to 0-50,000 lb  
0-23 kg to 0-22,000 kg



Shown actual size.

LCGB-5K, \$525.



Starts at  
**\$460**



- ✓ Stainless Steel
- ✓ High Accuracy
- ✓ Low Profile
- ✓ Miniature Size

The LCGB Series comprises miniature low-profile compression load cells with excellent long-term stability. An all stainless steel construction ensures reliability in harsh industrial environments. These cells are designed to be mounted on a flat surface using cap screws to secure them to the base. A load button is integral to their basic construction for even force distribution.

## SPECIFICATIONS

**Excitation:** 10 Vdc

**Output:** 2 mV/V nominal

**5-Point Calibration:** 0%, 50% 100%, 50%, 0%; 59K shunt data included

**Linearity:** ±0.25% FSO

**Hysteresis:** ±0.20% FSO

**Repeatability:** ±0.10% FSO

**Zero Balance:** ±2% FSO

**Operating Temp Range:**

-54 to 121°C (-65 to 250°F)

**Compensated Temp Range:**

16 to 71°C (60 to 160°F)

**Thermal Effects:**

**Span:** ±0.018% rdg/°C

**Zero:** ±0.009% FSO/°C

**Safe Overload:** 150% of capacity

**Ultimate Overload:** 300% of capacity

**Bridge Resistance:** 350 Ω minimum

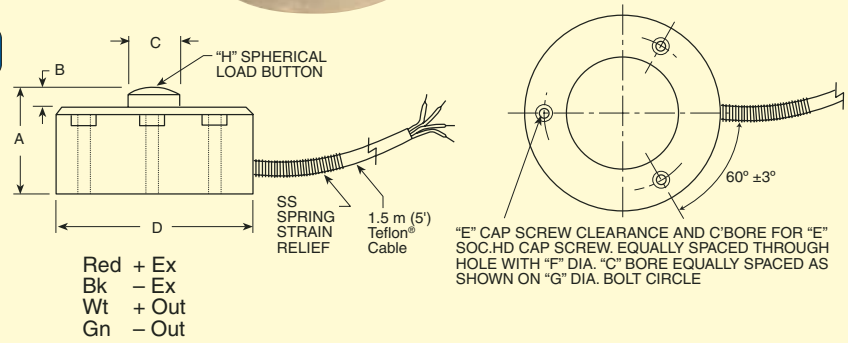
**Deflection:** 0.08 mm (0.003")

**Construction:** Stainless steel

**Electrical Connection:** 1.5 m (5')

4-conductor cable with strain relief

**Protection Rating:** IP54



Dimensions: mm (in)

CAPACITY	D	C	A	B	E	F	G	H
50 to 2000 lb	32 (1.25)	8.1 (0.32)	10 (0.39)	1.8 (0.07)	#2	4.8 (0.19)	25.4 (1.00)	51 (2)
3000 to 10,000 lb	38 (1.50)	11 (0.43)	16 (0.63)	2.0 (0.08)	#4	3.2 (0.13)	31.8 (1.25)	51 (2)
15,000 to 30,000 lb	51 (2.00)	15 (0.60)	25 (1.00)	3.0 (0.12)	#6	7.1 (0.28)	41.3 (1.63)	63.5 (2.5)
50,000 lb	76 (3.00)	20 (0.78)	38 (1.50)	4.6 (0.18)	#6	7.1 (0.28)	60.3 (2.38)	153 (6)

**MOST POPULAR MODELS HIGHLIGHTED!**

## To Order (Specify Model Number)

CAPACITY		MODEL NO.	PRICE	COMPATIBLE METERS*
lb	kg			
50	23	LCGB-50	\$590	DPiS, DP41-S, DP25B-S
100	45	LCGB-100	590	DPiS, DP41-S, DP25B-S
250	114	LCGB-250	490	DPiS, DP41-S, DP25B-S
500	227	LCGB-500	460	DPiS, DP41-S, DP25B-S
750	340	LCGB-750	460	DPiS, DP41-S, DP25B-S
1000	455	LCGB-1K	460	DPiS, DP41-S, DP25B-S
2000	909	LCGB-2K	460	DPiS, DP41-S, DP25B-S
3000	1361	LCGB-3K	525	DPiS, DP41-S, DP25B-S
5000	2269	LCGB-5K	525	DPiS, DP41-S, DP25B-S
10,000	4537	LCGB-10K	625	DPiS, DP41-S, DP25B-S
15,000	6806	LCGB-15K	625	DPiS, DP41-S, DP25B-S
20,000	9074	LCGB-20K	625	DPiS, DP41-S, DP25B-S
30,000	13,612	LCGB-30K	625	DPiS, DP41-S, DP25B-S
50,000	22,686	LCGB-50K	695	DPiS, DP41-S, DP25B-S

Comes with 5-point NIST-traceable calibration.

\* See section D for compatible meters.

**Ordering Examples:** LCGB-5K, 5000 lb capacity load cell, \$525. LCGB-50, 50 lb capacity load cell, \$590.

## ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
OP-17	\$15	Reference Book: Measure for Measure

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