

# MINIATURE INDUSTRIAL COMPRESSION LOAD CELL FOR INDUSTRIAL APPLICATIONS TO 200,000 N

**LCMGD Series**  
Compression  
0-100 N to 0-200,000 N



Starts at  
**£308**



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

The LCMGD Series miniature low-profile load cells are compression load cells with excellent long-term stability. An all stainless steel construction ensures reliability in severe industrial environments. These cells are designed to be mounted on a flat surface, and a load button is integral to their basic design.

## SPECIFICATIONS

**Excitation:** 10 Vdc

**Output:** 2 mV/V nominal

**5-Point Calibration:**

0%, 50% 100%, 50%, 0%

**Linearity:** ±0.25% FSO

**Hysteresis:** ±0.20% FSO

**Repeatability:** ±0.10% FSO

**Zero Balance:** ±2% FSO

**Deflection:** 0.025 to 0.075 mm

**Operating Temp Range:**

-54 to 121°C

**Compensated Temp Range:**

16 to 71°C

**Thermal Effects:**

**Span:** ±0.018% of rdg/°C

**Zero:** ±0.009% of FSO/°C

**Safe Overload:** 150% of capacity

**Ultimate Overload:** 300% of capacity

**Bridge Resistance:** 350 Ω minimum

**Deflection:** 0.076 mm

**Construction:** Stainless steel

**Electrical Connection:**

1.5 m screened cable

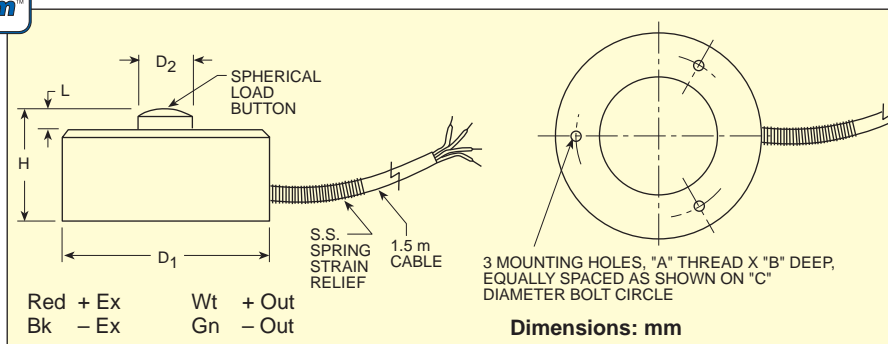


LCMGD-100N, £395.

Shown actual size.



LCMGD-2KN, £308.



Dimensions: mm

CAPACITY (N)	D1	D2	H	L	A	B	C
100 to 500	25	5.3	16	1.3	M4 x 0.7	4.8	19.1
1000 to 10,000	32	8.1	10	1.8	M4 x 0.7	6.4	25.4
20,000 to 50,000	38	11	16	2.0	M4 x 0.7	6.4	31.
60,000 to 120,000	51	15	25	3.0	M4 x 0.7	6.4	41.3
200,000	76	20	38	4.6	M4 x 0.7	6.35	60.3

**MOST POPULAR MODELS HIGHLIGHTED!**

To Order (Specify Model Number)							
CAPACITY		MODEL NO.	PRICE	COMPATIBLE METERS*			
N	lb						
100	22.5	LCMGD-100N	£395	iSeries, DP41-B, DP25B-S			
200	45	LCMGD-200N	395	iSeries, DP41-B, DP25B-S			
500	112	LCMGD-500N	395	iSeries, DP41-B, DP25B-S			
1000	225	LCMGD-1KN	328	iSeries, DP41-B, DP25B-S			
2000	450	LCMGD-2KN	308	iSeries, DP41-B, DP25B-S			
5000	1124	LCMGD-5KN	308	iSeries, DP41-B, DP25B-S			
10,000	2248	LCMGD-10KN	308	iSeries**, DP41-B, DP25B-S**			
20,000	4496	LCMGD-20KN	352	iSeries**, DP41-B, DP25B-S**			
50,000	11,240	LCMGD-50KN	352	iSeries**, DP41-B, DP25B-S**			
60,000	13,488	LCMGD-60KN	399	iSeries**, DP41-B, DP25B-S**			
80,000	17,984	LCMGD-80KN	399	iSeries**, DP41-B, DP25B-S**			
120,000	26,976	LCMGD-120KN	466	iSeries**, DP41-B, DP25B-S**			
200,000	44,960	LCMGD-200KN	466	iSeries**, DP41-B, DP25B-S**			

Comes with 5-point traceable calibration.

\* See page 291 for compatible meters. \*\* 4-digit meter.

**Ordering Examples:** LCMGD-10KN, 10,000 Newton capacity load cell, £308.

LCMGD-500N, 500 Newton capacity load cell, £395.

## ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
ME-1708	£107	Reference Book: Handbook of Mechanical Engineering



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#### CANADA

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