

# SUBMINIATURE INDUSTRIAL LOAD CELL

## VERY LOW PROFILE

### LCMKD Series

#### Compression

#### 0-10 N to 0-5000 N

1 Newton = 0.2248 lb  
 1 kgf = 10 Newtons  
 1 kg = 2.204 lb  
 1 t = 1000 kg = 2204 lb

Starts at  
**£369**



Small in size but not in performance, OMEGA's LCMKD Series compression load cells are designed to measure load ranges from 10 N to 5 kN. Rugged, all stainless steel construction and high-performance strain gauges ensure superior linearity and stability. Temperature compensation is achieved through a miniature circuit board in the cable. These cells are designed to be mounted on a smooth, flat surface.

### SPECIFICATIONS

**Excitation:** 5 Vdc, 7 Vdc max

**Output:** 2 mV/V nominal

**5-Point Calibration:**  
 0%, 50%, 100%, 50%, 0%

**Linearity:** ±0.25% FSO

**Hysteresis:** ±0.25% FSO

**Repeatability:** ±0.10% FSO

**Zero Balance:** ±2% FSO

**Operating Temp Range:** -54 to 121°C

**Compensated Temp Range:**  
 16 to 71°C

**Thermal Effects:**

**Span:** ±0.018% of FSO/°C

**Zero:** ±0.009% of FSO/°C

**Safe Overload:** 150% of capacity

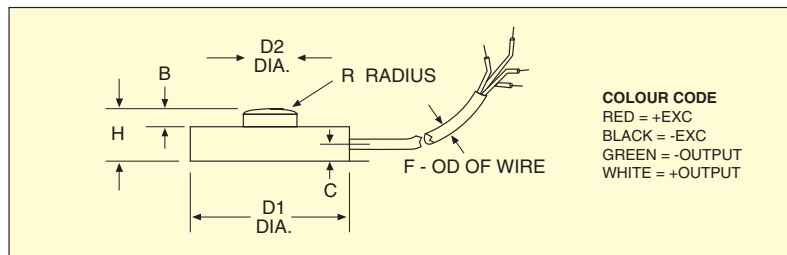
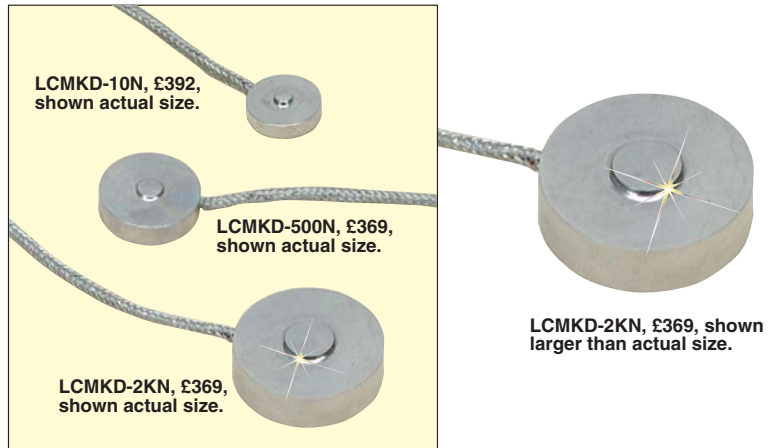
**Ultimate Overload:** 300% of capacity

**Bridge Resistance:** 350 min

**Full Scale Deflection:** 0.025 to 0.075 mm

**Electrical Connection:** 1.5 m  
 4-conductor insulated cable with  
 temperature compensation board

**Weight:** <14 g



Dimensions: mm

CAPACITY (N)	D1	D2	H	B	C	F
10 to 200	9.6	2.2	3.0	0.76	1.0	1.3
500 to 1000	13	3.0	3.8	0.51	1.5	1.3
2000 to 5000	19	6.1	6.4	0.76	2.5	1.3

**MOST POPULAR MODELS HIGHLIGHTED!**

CAPACITY		MODEL NO.	PRICE	COMPATIBLE METERS*
N	lb			
10	2.25	LCMKD-10N	£392	DP41-B, DP25B-S, iSeries
20	4.5	LCMKD-20N	369	DP41-B, DP25B-S, iSeries
50	11.2	LCMKD-50N	369	DP41-B, DP25B-S, iSeries
100	22.5	LCMKD-100N	369	DP41-B, DP25B-S, iSeries
200	45	LCMKD-200N	369	DP41-B, DP25B-S, iSeries
500	112	LCMKD-500N	369	DP41-B, DP25B-S, iSeries
1000	225	LCMKD-1KN	369	DP41-B, DP25B-S, iSeries
2000	450	LCMKD-2KN	369	DP41-B, DP25B-S, iSeries
5000	1124	LCMKD-5KN	369	DP41-B, DP25B-S, iSeries

Comes with 5-point traceable calibration.

\* See page 291 for compatible meters.

Ordering Examples: LCMKD-10N, 10 Newton capacity load cell, £392.

LCMKD-2KN, 2000 Newton capacity load cell, £369.

### ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
OP-17	£10	Reference Book: Measure for Measure

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