

# HEAVY-DUTY CONSTANT MOMENT BEAM LOAD CELLS

## IP65 ENVIRONMENTALLY SEALED

**LCM602 Series**  
Tension/Compression  
25 kgf to 5000 kgf

Starts at  
**£365**



- ✓ 0.25% Interchangeability
- ✓ High-Quality Stainless Steel Construction
- ✓ Rugged, Economical Design

The LCM602 Series comprises heavy-duty load cells designed for industrial weighing and scale applications. They offer a highly accurate, rugged cell in a small, economical package.

### SPECIFICATIONS

Excitation: 10 Vdc (15V max)

Output:

250 kgf: 2 mV/V  
>250 kgf: 3 mV/V  $\pm 0.25\%$  FSO

5-Point Calibration (in Compression):  
0%, 50%, 100%, 50%, 0%

Linearity:  $\pm 0.03\%$  FSO

Hysteresis:

250 kgf:  $\pm 0.05\%$  FSO  
>250 kgf:  $\pm 0.03\%$  FSO

Repeatability:  $\pm 0.02\%$  FSO

Zero Balance:  $\pm 1.0\%$  FSO

Operating Temp Range: -34 to 82°C

Compensated Temp Range: 16 to 71°C

Thermal Effects:

Zero:  $\pm 0.0036\%$  FSO/°C  
Span:  $\pm 0.0018\%$  FSO/°C

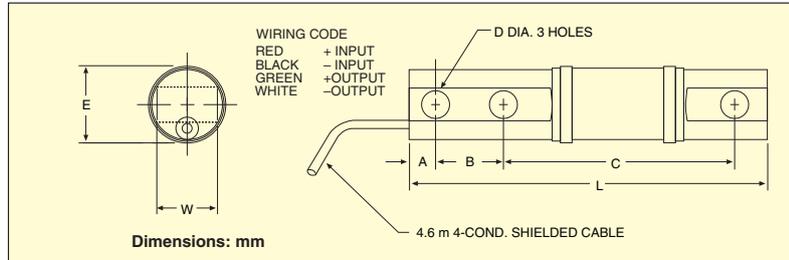
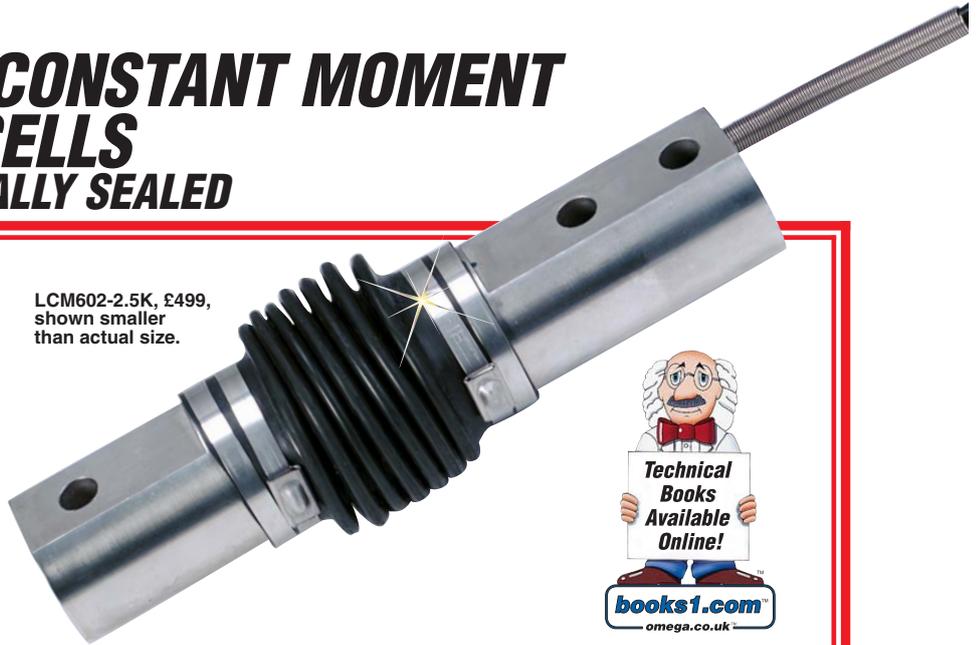
Safe Overload: 150% of capacity

Ultimate Overload: 300% of capacity

Input Resistance: 360  $\Omega$  minimum

Output Resistance: 350  $\pm 10 \Omega$

LCM602-2.5K, £499,  
shown smaller  
than actual size.



Dimensions: mm

CAPACITY (kgf)	L	E	W	A	B	C	D
25 to 50	152	35	27	9.3	22	108	7.9
250 to 750	169	35	27	13	29	108	13
1000	289	57	32	13	44	210	13
2500 to 5000	323	95	70	19	51	216	20

Full Scale Deflection:

0.25 to 0.38 mm typical

Construction: Stainless steel

Agency Approval: FM Intrinsically Safe  
IS/1.II.III/1/CDEFG

Electrical: 4.6 m insulated  
4-conductor screened colour-coded cable

**MOST POPULAR MODELS HIGHLIGHTED!**

### To Order (Specify Model Number)

CAPACITY	MODEL NO.	PRICE	COMPATIBLE METERS*
25 kgf	LCM602-25	£365	DP41-B, DP41-S, DP25B-S
50 kgf	LCM602-50	365	DP41-B, DP41-S, DP25B-S
250 kgf	LCM602-250	422	DP41-B, DP41-S, DP25B-S
500 kgf	LCM602-500	422	DP41-B, DP41-S, DP25B-S
750 kgf	LCM602-750	422	DP41-B, DP41-S, DP25B-S
1000 kgf	LCM602-1K	422	DP41-B, DP41-S, DP25B-S
2500 kgf	LCM602-2.5K	499	DP41-B, DP41-S, DP25B-S
5000 kgf	LCM602-5K	499	DP41-B, DP41-S, DP25B-S

Comes with 5-point traceable calibration.

\* See page 291 for compatible meters.

Ordering Examples: LCM602-250, 250 kgf capacity load cell, £422. LCM602-500, 500 kgf capacity load cell, £422.

### ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
ME-1804	£84	Reference Book: Mechanical Design Handbook

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