

# LOW-CAPACITY TENSION LINK LOAD CELLS INTERNAL THREAD DESIGN

## LCM701/LCM711 Series

**LCM701 (Cable Style)**  
**LCM711 (Connector Style)**  
Calibrated in Tension  
0-50 kgf to 0-1000 kgf  
0-110 lb to 0-2200 lb

All Models  
**£399**



- ✓ All Stainless Steel Construction
- ✓ Up to 0.10% Linearity
- ✓ Rugged Design for Industrial Applications

The LCM701 Series tension link load cells have a 2 m cable with stripped end termination. The LCM711 Series units have an integral connector on the body. These stainless steel load cells are ideal for measuring in-line tension forces. Applications include cables on cranes, support rods in architectural designs, engine test beds, and industrial weighing.

### SPECIFICATIONS

**Output:** 3 mV/V  $\pm 0.25\%$  FSO

**Excitation:** 10 Vdc (15V max)

**Linearity:**

>100 lb:  $\pm 0.10\%$  FSO

100 lb:  $\pm 0.20\%$  FSO

**Hysteresis:**  $\pm 0.10\%$  FSO

**Repeatability:**  $\pm 0.05\%$  FSO

**Zero Balance:**  $\pm 1.0\%$  FSO

**Operating Temp Range:**

-46 to 121°C

**Compensated Temp Range:**

16 to 71°C

**Thermal Effects:**

**Zero:**  $\pm 0.0045\%$  FSO/°C

**Span:**  $\pm 0.007\%$  rdg/°C

**Safe Overload:** 150% of capacity

**Ultimate Overload:** 300% of capacity

**Bridge Resistance:** 350  $\Omega$

**Full Scale Deflection:** 0.025 to 0.102 mm

**Protection Rating:** IP65



LCM701-50, £399, shown actual size.

**Construction:** Stainless steel

**Electrical:**

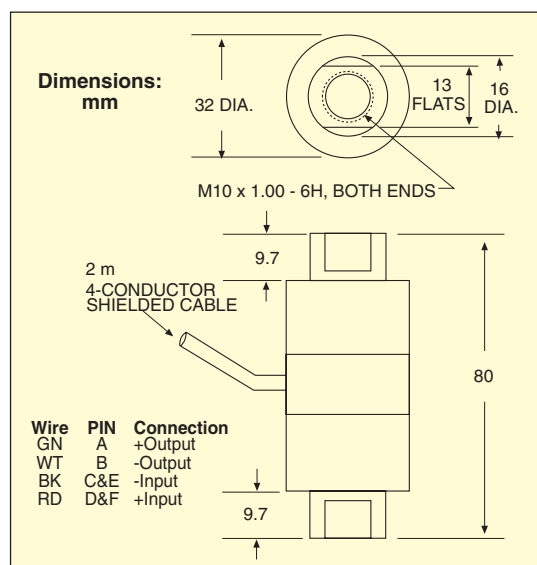
**LCM701:** 1.8 m insulated 4-conductor screened cable

**LCM711: DT02H-10-6P** integral connector, mating connector sold separately, **PT06F10-6S**, £17.75

**Weight:** 0.45 kg



LCM711-50, £399, shown actual size.



**MOST POPULAR MODELS HIGHLIGHTED!**

### To Order (Specify Model Number)

CAPACITY		MODEL NO.	PRICE	COMPATIBLE METERS*
<b>CABLE STYLE</b>				
50 kgf	110 lb	LCM701-50	£399	DPiS, DP41-S, DP25B-B
500 kgf	1100 lb	LCM701-500	399	DPiS, DP41-S, DP25B-B
1000 kgf	2200 lb	LCM701-1K	399	DPiS, DP41-S, DP25B-B
<b>INTEGRAL CONNECTOR STYLE</b>				
50 kgf	110 lb	LCM711-50	£399	DPiS, DP41-S, DP25B-B
500 kgf	1100 lb	LCM711-500	399	DPiS, DP41-S, DP25B-B
1000 kgf	2200 lb	LCM711-1K	399	DPiS, DP41-S, DP25B-B

Comes with 5-point traceable calibration.

\* See page 291 for compatible meters.

**Ordering Example:** LCM701-1K, 1000 kgf capacity tension link with 2 m cable, £399.

LCM711-50, 50 kgf capacity tension link with integral connector on the body, £399.

PT06F10-6S, mating connector (sold separately), £17.75.

### ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
ME-0013	£184	Reference Book: Mechanical Engineer's Handbook

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