

LOW-CAPACITY TENSION LINK LOAD CELLS

INTERNAL THREAD DESIGN

STANDARD AND METRIC MODELS

Calibrated in Tension
0-100 lb to 0-2000 lb
0-50 kgf to 0-1000 kgf

LC701/LCM701 Series
LC711/LCM711 Series



Standard

- ✓ All Stainless Steel Construction
- ✓ Accuracy 0.15%
- ✓ Rugged Design for Industrial Applications
- ✓ 5-Point NIST Traceable Calibration in Tension

The LC701/LCM701 Series tension links have a 1.8 m (6') cable with stripped end termination. The LC711/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 maximum)

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 (-50 to 250°F)

Compensated Temp. Range:

16 to 71°C (60 to 160°F)

Thermal Effects:

Zero: $\pm 0.0045\%$ FSO/°C

Span: $\pm 0.007\%$ rdg/°C

Safe Overload: 150% of capacity

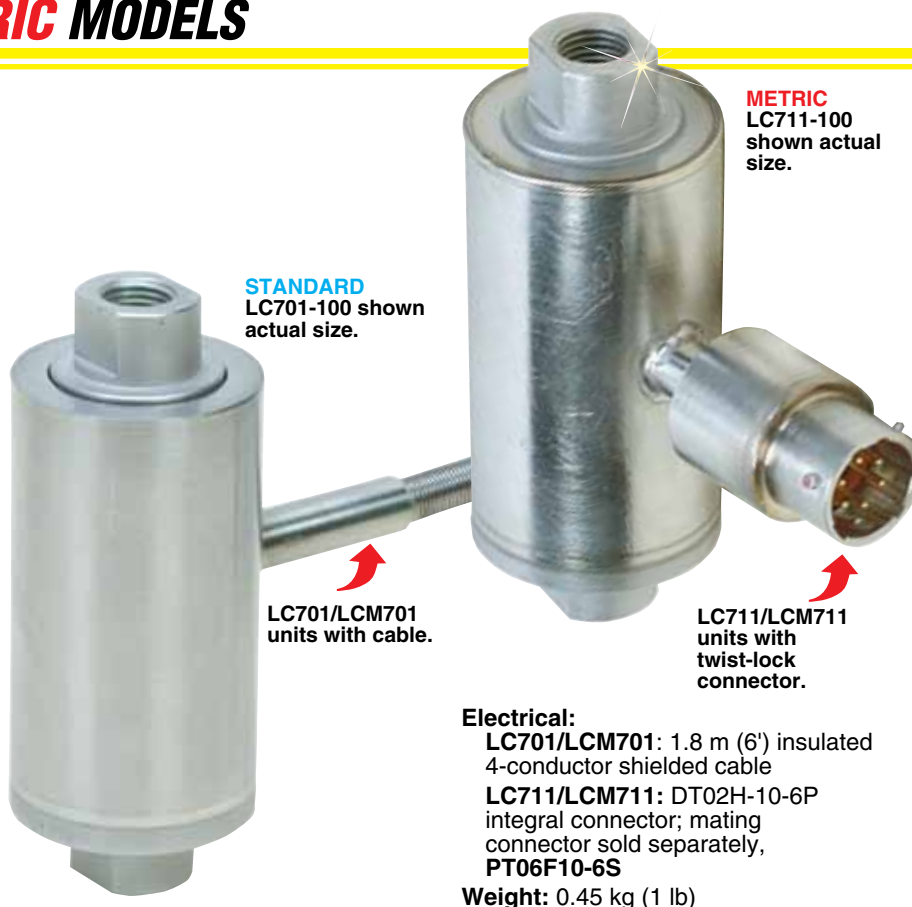
Ultimate Overload: 300% of capacity

Bridge Resistance: 350 Ω

Full Scale Deflection: 0.025 to 0.102 mm (0.001 to 0.004")

Protection Class: IP65

Construction: Stainless steel



LC701/LCM701 units with cable.

LC711/LCM711 units with twist-lock connector.

Electrical:

LC701/LCM701: 1.8 m (6') insulated 4-conductor shielded cable

LC711/LCM711: DT02H-10-6P integral connector; mating connector sold separately, **PT06F10-6S**

Weight: 0.45 kg (1 lb)

