

LOW-CAPACITY TENSION LINK LOAD CELLS INTERNAL THREAD DESIGN

LC701/LC711 Series

LC701 (Cable Style)
LC711 (Connector Style)
Calibrated in Tension
0-100 lb to 0-2000 lb
0-45 kg to 0-909 kg

All Models
\$595



- ✓ All Stainless Steel Construction
- ✓ Accuracy 0.15%
- ✓ Rugged Design for Industrial Applications

The LC701 Series tension links have a 2 m (6') cable with stripped end termination. The LC711 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 (15 V 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 (-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



LC701-100,
\$595,
shown
actual size.

Construction: Stainless steel

Electrical:

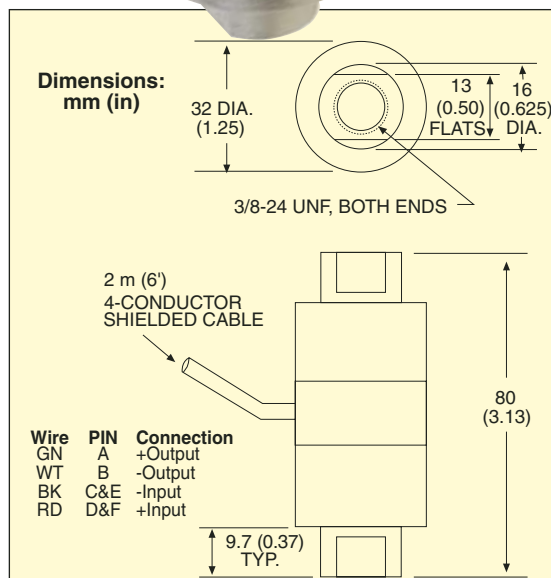
LC701: 1.8 m (6') insulated 4-conductor shielded cable

LC711: DT02H-10-6P integral connector; mating connector sold separately, PT06F10-6S, \$26.50

Weight: 0.45 kg (1 lb)



LC711-100,
\$595, shown
actual size.



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

CAPACITY		MODEL NO.	PRICE	COMPATIBLE METERS*
CABLE STYLE				
100 lb	45 kg	LC701-100	\$595	DPiS, DP41-S, DP25B-S
250 lb	114 kg	LC701-250	595	DPiS, DP41-S, DP25B-S
750 lb	341 kg	LC701-750	595	DPiS, DP41-S, DP25B-S
1000 lb	455 kg	LC701-1K	595	DPiS, DP41-S, DP25B-S
2000 lb	909 kg	LC701-2K	595	DPiS, DP41-S, DP25B-S
INTEGRAL CONNECTOR STYLE				
100 lb	45 kg	LC711-100	\$595	DPiS, DP41-S, DP25B-S
250 lb	114 kg	LC711-250	595	DPiS, DP41-S, DP25B-S
750 lb	341 kg	LC711-750	595	DPiS, DP41-S, DP25B-S
1000 lb	455 kg	LC711-1K	595	DPiS, DP41-S, DP25B-S
2000 lb	909 kg	LC711-2K	595	DPiS, DP41-S, DP25B-S

Comes with 5-point NIST-traceable calibration.

* See section D for compatible meters.

Ordering Examples: LC701-1K, 1000 lb capacity tension link with 2 m (6') cable, \$595.

LC711-250, 250 lb capacity tension link with integral connector on the body, \$595.

PT06F10-6S, mating connector (sold separately), \$26.50.

ACCESSORIES

MODEL NO.	PRICE	DESCRIPTION
REC-038M	\$25	3/8-24 male rod end
ME-0013	\$275	Reference Book: Mechanical Engineer's Handbook

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