

# HIGH CAPACITY TENSION LINK LOAD CELLS

**LC702/LC712 Series**  
**Calibrated in Tension\***  
**0-5,000 lb to 0-1,000,000 lb**  
**0-22 kN to 0-4.4 MN**

LC712-20K

**\$645**

- ✓ All Stainless Steel Construction
- ✓ Accuracy 0.15%
- ✓ Heavy Duty Construction for High Capacity Loads

OMEGA's LC702 Series Tension Links have a 1.8 m (6') cable, and the LC712 Series have an integral connector. Both series are all stainless steel high capacity in-line tension load cells, for applications including cables on cranes, support rods in architectural designs, engine test beds, and industrial weighing applications.

## SPECIFICATIONS

**Output:** 2 mV/V ± 0.25 % FSO

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

**Linearity:** ±0.10% FSO

**Hysteresis:** ±0.10% FSO

**Repeatability:** ±0.05% FSO

**Zero Balance:** ±1.0% FSO

**Operating Temp. Range:**

-34 to 121°C (-30 to 250°F)

**Compensated Temp. Range:**

16 to 71°C (60 to 160°F)

**Thermal Effects:** Zero: ±0.0045%

FSO/°C, Span: ±0.007% Rdg/°C

**Safe Overload:** 150% of Capacity

**Ultimate Overload:** 300% of Capacity

**Bridge Resistance:** 350 Ω

**Construction:** Stainless Steel

**Electrical:**

LC702: 1.8 m (6') 4-conductor cable

LC712: DT02H-10-6P (or Equal)

**Mating connector:** (not included)

PT06F10-6S \$26.50

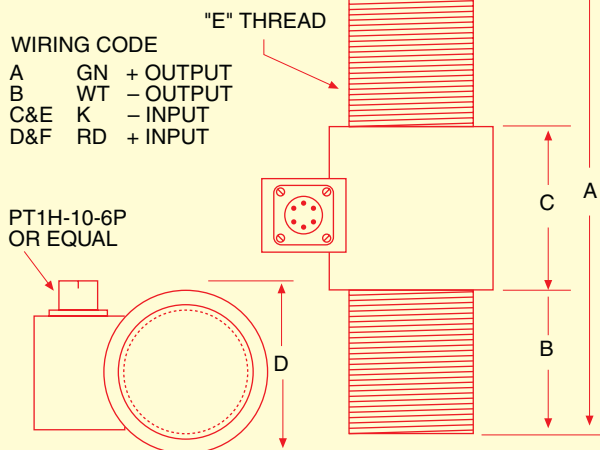
**Calibration:** Calibrated in Tension

\* ≥150,000 lb Calibrated in Compression

For Calibrations ≥300,000 lb add suffix

"-FS" and consult sales for price and

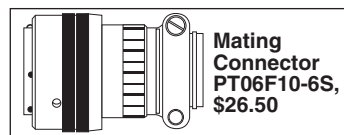
delivery



Custom Units Available with Built-in Amplifier



Shown smaller than actual size



Dimensions Shown in mm (inches)

CAPACITY (lb)	A	B	C	D	E
5 k - 10 k	140 (5.50)	32 (1.25)	76 (3.0)	76 (3.0)	1-14 NS
20 k - 50 k	165 (6.50)	51 (2.0)	64 (2.5)	76 (3.0)	1½-12 UNF
75 k - 100 k	200 (7.88)	64 (2.53)	72 (2.84)	76 (3.0)	2¼-12 UN
150 k - 200 k	260 (10.25)	83 (3.25)	95 (3.75)	102 (4.1)	3-8 UN
250 k - 300 k	323 (12.75)	114 (4.5)	95 (3.75)	141 (5.56)	4-8 UN
400 k - 600 k	381 (15.0)	142 (5.63)	95 (3.75)	168 (6.63)	5-8 UN
750 k - 1,000 k	444 (17.5)	168 (6.63)	108 (4.25)	219 (8.63)	6-8 UN

**MOST POPULAR MODELS HIGHLIGHTED!**

## To Order (Specify Model Number)

MODELS WITH 1.8 M (6') CABLE OR WITH INTEGRAL CONNECTOR

CAPACITY (lb)	CABLE STYLE	CONN. STYLE	PRICE	COMPATIBLE METERS**
0-5,000	LC702-5K	LC712-5K	\$645	DP41-W, DP41-S, DP25-S
0-10,000	LC702-10K	LC712-10K	645	DP41-W, DP41-S, DP25-S
0-20,000	LC702-20K	LC712-20K	645	DP41-W, DP41-S, DP25-S*
0-30,000	LC702-30K	LC712-30K	645	DP41-W, DP41-S, DP25-S*
0-50,000	LC702-50K	LC712-50K	645	DP41-W, DP41-S, DP25-S*
0-100,000	LC702-100K	LC712-100K	995	DP41-W, DP41-S, DP25-S*
0-150,000	LC702-150K	LC712-150K	995	DP41-W, DP41-S, DP25-S*
0-200,000	LC702-200K	LC712-200K	1200	DP41-W, DP41-S, DP25-S*
0-300,000	LC702-300K	LC712-300K	1650	DP41-W, DP41-S, DP25-S*
0-500,000	LC702-500K	LC712-500K	2450	DP41-W, DP41-S, DP25-S*
0-1,000,000	LC702-1M	LC712-1M	2900	DP41-W, DP41-S, DP25-S*

\*4-Digit Meter, Counts by 10.

Metric Ranges Available-Consult Engineering.

To order additional cable length add length, in feet to the end of the model number, \$2/ft over 1.8 m (6')

**Ordering Examples:** 1.) LC702-5K-25FT is a 5,000 lb capacity tension link with 7.6 m (25') 4-conductor cable, \$645 + \$38 = \$683. 2.) LC712-100K is a 100,000 lb capacity tension link with integral twist lock connector, \$995. Mating connector PT06F10-6S (not included), \$26.50. 3.) LC702-200K is a 200,000 lb capacity tension link with standard 1.8 m (6') 4-conductor cable,

\*\*See Section D For Compatible Meters

LOAD CELLS