

HIGH-CAPACITY TENSION LINK LOAD CELLS

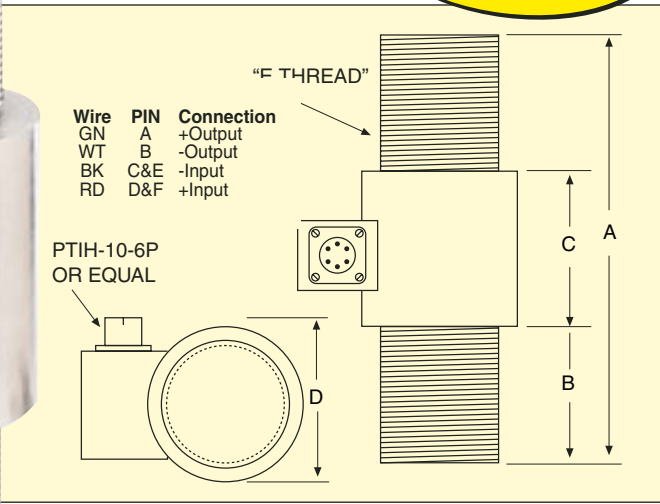
Custom Units Available with Built-In Amplifiers!

LC702/LC712 Series
Calibrated in Tension*
0-5000 lb to 0-1,000,000 lb
0-2269 kg to 0-453,721 kg

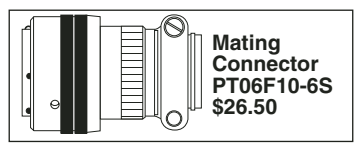
Starts at
\$645



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



LC702-5K, 0 to 5 Vdc output, \$175, add suffix “-5V” to model number. Shown smaller than actual size.



Dimensions: mm (in)

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

CAPACITY (lb)	A	B	C	D	E
5 K to 10 K	140 (5.50)	32 (1.25)	76 (3.00)	76 (3.00)	1-14 NS
20 K to 50 K	165 (6.50)	51 (2.00)	64 (2.50)	76 (3.00)	1½-12 UNF
75 K to 100 K	200 (7.88)	64 (2.53)	72 (2.84)	76 (3.00)	2¼-12 UN
150 K to 200 K	260 (10.25)	83 (3.25)	95 (3.75)	102 (4.10)	3-8 UN
250 K to 300 K	323 (12.75)	114 (4.50)	95 (3.75)	141 (5.56)	4-8 UN
400 K to 600 K	381 (15.00)	142 (5.63)	95 (3.75)	168 (6.63)	5-8 UN
750 K to 1000 K	444 (17.50)	168 (6.63)	108 (4.25)	219 (8.63)	6-8 UN

SPECIFICATIONS

- Output:** 2 mV/V ±0.25 % FSO
- Excitation:** 10 Vdc (15 V 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 equiv.)
- Protection Class:** IP67
- Mating Connector:** PT06F-10-6S, \$26.50 (not included)
- 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.

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)					
MODELS WITH 1.8 M (6') CABLE OR WITH INTEGRAL CONNECTOR					
CAPACITY		CABLE STYLE	CONN. STYLE	PRICE	COMPATIBLE METERS**
5000 lb	2269 kg	LC702-5K	LC712-5K	\$645	DPiS, DP41-S, DP25B-S
10,000 lb	4537 kg	LC702-10K	LC712-10K	645	DPiS, DP41-S, DP25B-S
20,000 lb	9074 kg	LC702-20K	LC712-20K	645	DPiS, DP41-S, DP25B-S*
30,000 lb	13,612 kg	LC702-30K	LC712-30K	645	DPiS, DP41-S, DP25B-S*
50,000 lb	22,686 kg	LC702-50K	LC712-50K	645	DPiS, DP41-S, DP25B-S*
100,000 lb	45,372 kg	LC702-100K	LC712-100K	995	DPiS, DP41-S, DP25B-S*
150,000 lb	68,058 kg	LC702-150K	LC712-150K	995	DPiS, DP41-S, DP25B-S*
200,000 lb	90,744 kg	LC702-200K	LC712-200K	1200	DPiS, DP41-S, DP25B-S*
300,000 lb	136,116 kg	LC702-300K	LC712-300K	1650	DPiS, DP41-S, DP25B-S*
500,000 lb	226,860 kg	LC702-500K	LC712-500K	†	DPiS, DP41-S, DP25B-S*
1,000,000 lb	453,721 kg	LC702-1M	LC712-1M	†	DPiS, DP41-S, DP25B-S*

Comes with 5-point NIST-traceable calibration. † Special quote. ** See section D for compatible meters. * 4-digit meter, counts by 10.

To order additional cable add length, in feet, to the end of the model number, \$2/ft over 1.8 m (6').
Ordering Examples: LC702-5K-25FT, 5000 lb capacity tension link with 7.6 m (25') 4-conductor cable, \$645 + \$38 = \$683. LC712-100K, 100,000 lb capacity tension link with integral twist-lock connector, \$995. PT06F10-6S, mating connector (not included), \$26.50. LC702-200K, 200,000 lb capacity tension link with standard 1.8 m (6') 4-conductor cable, \$1200.

MODEL NO.	PRICE	DESCRIPTION
ME-1758	\$95	Reference Book: Strength of Materials and Structures

omega.co.uk[®]

Your One-Stop Source for Process Measurement and Control!

Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622 | Sales@omega.co.uk

www.omega.co.uk



UNITED STATES

www.omega.com

1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca

Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de

Deckenfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk

Manchester, England
0800-488-488
+44-(0)161-777-6611

FRANCE

www.omega.fr

0800-466-342

BENELUX

www.omega.nl

0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters