

LOW-CAPACITY TENSION LINK LOAD CELLS INTERNAL THREAD DESIGN STANDARD AND METRIC MODELS

LC701/LCM701 Series
LC711/LCM711 Series
Calibrated in Tension
0-100 lb to 0-2000 lb
0-50 kgf to 0-1000 kgf

All Models
\$595



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

The LC701/LCM701 Series tension links have a 2 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 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)

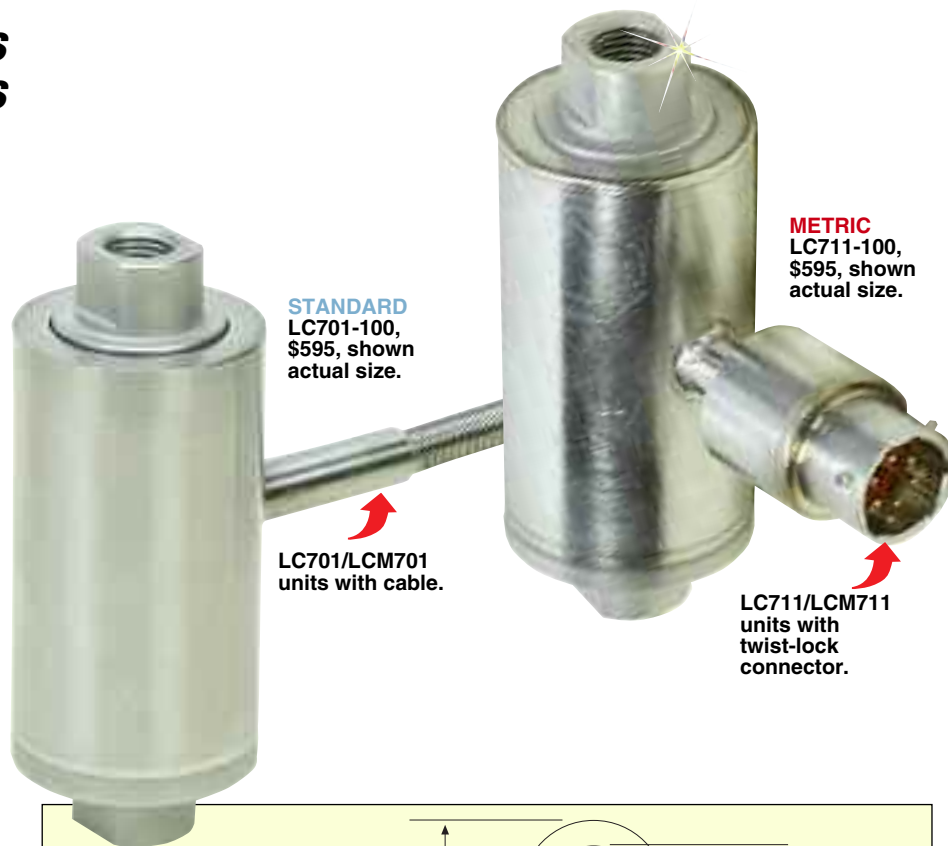
Thermal Effects:

Zero: $\pm 0.0045\%$ FSO/°C

Span: $\pm 0.007\%$ rdg/°C

Safe Overload: 150% of capacity

Ultimate Overload: 300% of capacity

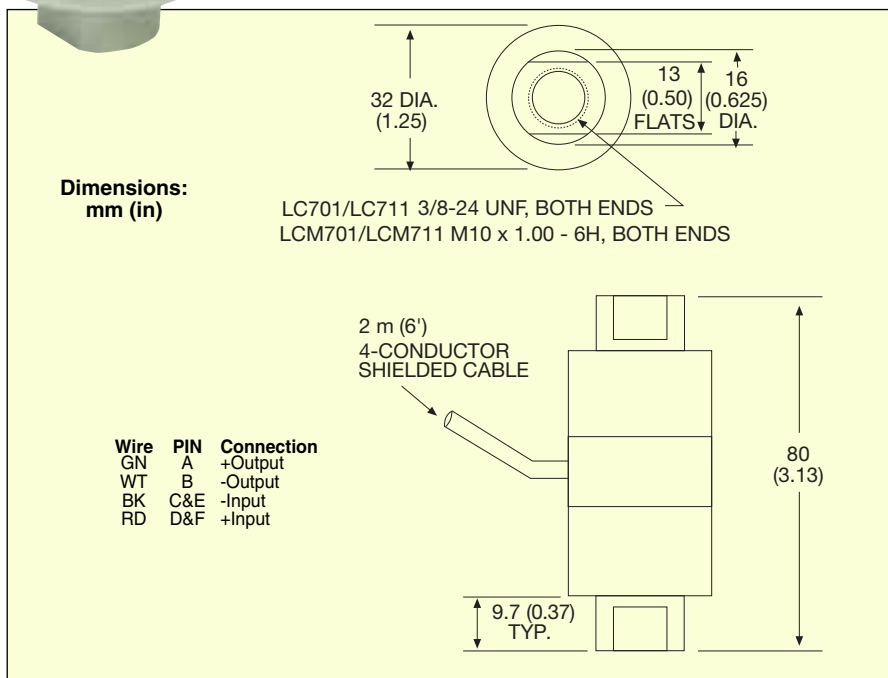


STANDARD
LC701-100,
\$595, shown
actual size.

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

LC701/LCM701
units with cable.

LC711/LCM711
units with
twist-lock
connector.



Wire	PIN	Connection
GN	A	+Output
WT	B	-Output
BK	C&E	-Input
RD	D&F	+Input

Bridge Resistance: 350 Ω

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

Protection Class: IP65

Construction: Stainless steel

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, \$26.50

Weight: 0.45 kg (1 lb)

LOW-CAPACITY TENSION LINK LOAD CELLS

 **MOST POPULAR MODELS HIGHLIGHTED!**

To Order (Specify Model Number)

CAPACITY		CABLE STYLE MODEL NO.	CONNECTOR STYLE MODEL NO.	PRICE	COMPATIBLE METERS*
STANDARD MODELS					
100 lb	45 kgf	LC701-100	LC711-100	\$595	DPiS, DP41-S, DP25B-S
250 lb	114 kgf	LC701-250	LC711-250	595	DPiS, DP41-S, DP25B-S
750 lb	341 kgf	LC701-750	LC711-750	595	DPiS, DP41-S, DP25B-S
1000 lb	455 kgf	LC701-1K	LC711-1K	595	DPiS, DP41-S, DP25B-S
2000 lb	909 kgf	LC701-2K	LC711-2K	595	DPiS, DP41-S, DP25B-S
METRIC MODELS					
50 kgf	110 lb	LCM701-50	LCM711-50	\$595	DPiS, DP41-S, DP25B-S
500 kgf	1100 lb	LCM701-500	LCM711-500	595	DPiS, DP41-S, DP25B-S
1000 kgf	2200 lb	LCM701-1K	LCM711-1K	595	DPiS, DP41-S, DP25B-S

ACCESSORIES

MODEL NO.	PRICE	DESCRIPTION
REC-038M	\$25.00	3/8"-24 male rod end
PT06F10-6S	26.50	Mating connector for LC711/LCM711 series load cells

Comes complete with 5-point NIST-traceable calibration and 59 kΩ shunt data.

* 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.

LCM701-1K, 1000 kgf capacity tension link with 2 m (6') cable, \$595.

LCM711-50, 50 kgf capacity tension link with integral connector on the body, \$595.

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

MAKE IT WIRELESS! ADD WIRELESS CAPABILITY TO YOUR PROCESS MEASUREMENT SYSTEM!

Wireless Connections From
Your Sensor to Your
Instrumentation:

- ✓ Thermocouple, RTD, Infrared Temperature, Humidity, pH, as well as Process Voltage/Current
- ✓ Easy to Install and Use
- ✓ Capable of Distances up to 120 m (400')



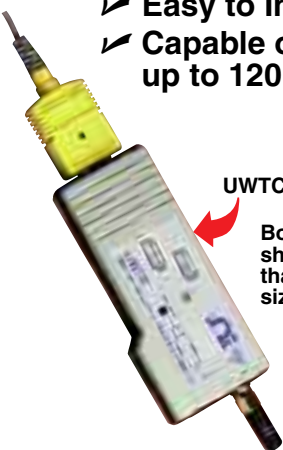
**For Complete
Details See
Wireless
Section W**



WRS232-USB wireless transmitter, \$159, shown close to actual size.

Wireless Communications
From Your Instrument to
a PC:

- ✓ Convert the RS232 Signal on Your Meter, Controller or PLC
- ✓ Works with any PC with a USB Port
- ✓ Easy to Install with Seamless Operation
- ✓ Capable of Distances up to 120 m (400')



UWTC-1, \$125.

Both models shown smaller than actual size.

UWTC-REC2, \$235, available with 4 to 20 mA, 0 to 5 Vdc, 0 to 10 Vdc and Type K thermocouple output.



Laptop not included.



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
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk
Manchester, England
0800-488-488

FRANCE

www.omega.fr
Guyancourt, France
088-466-342

CZECH REPUBLIC

www.omegaeng.cz
Karviná, Czech Republic
596-311-899

BENELUX

www.omega.nl
Amstelveen, NL
0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, 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, Wire

• 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

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 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, Strain Gages, 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