

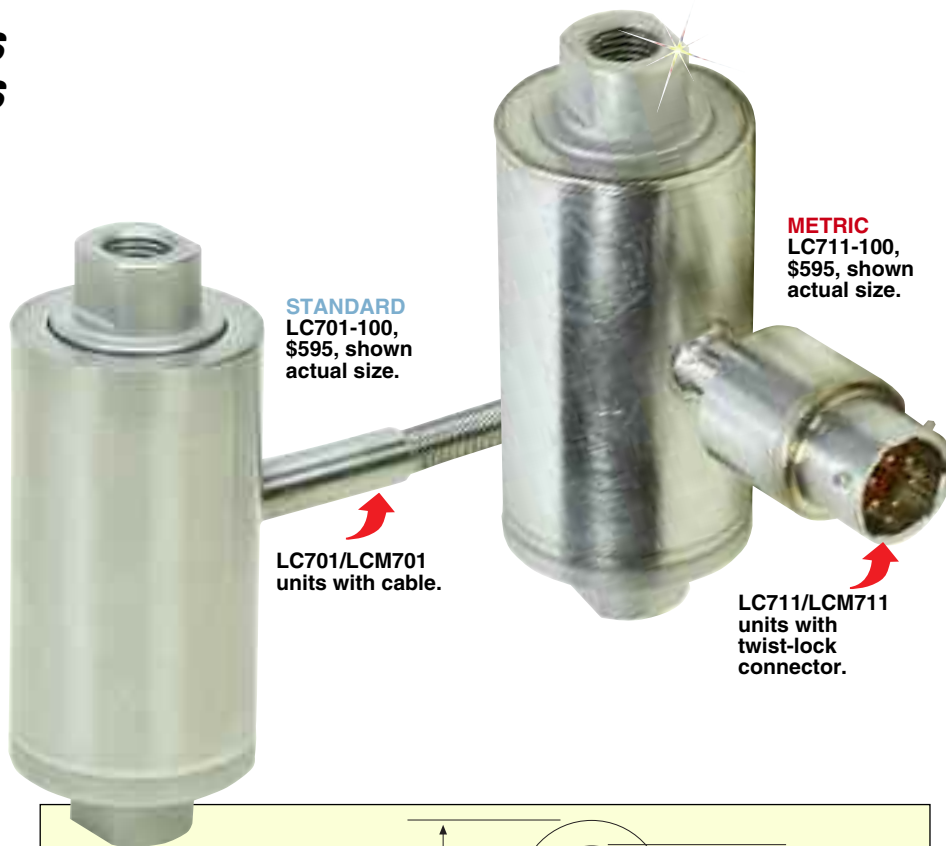
# LOW-CAPACITY TENSION LINK LOAD CELLS

## 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 ±0.25 % FSO

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

**Linearity:**

>100 lb: ±0.10% FSO

≤100 lb: ±0.20% FSO

**Hysteresis:** ±0.10% FSO

**Repeatability:** ±0.05% FSO

**Zero Balance:** ±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)

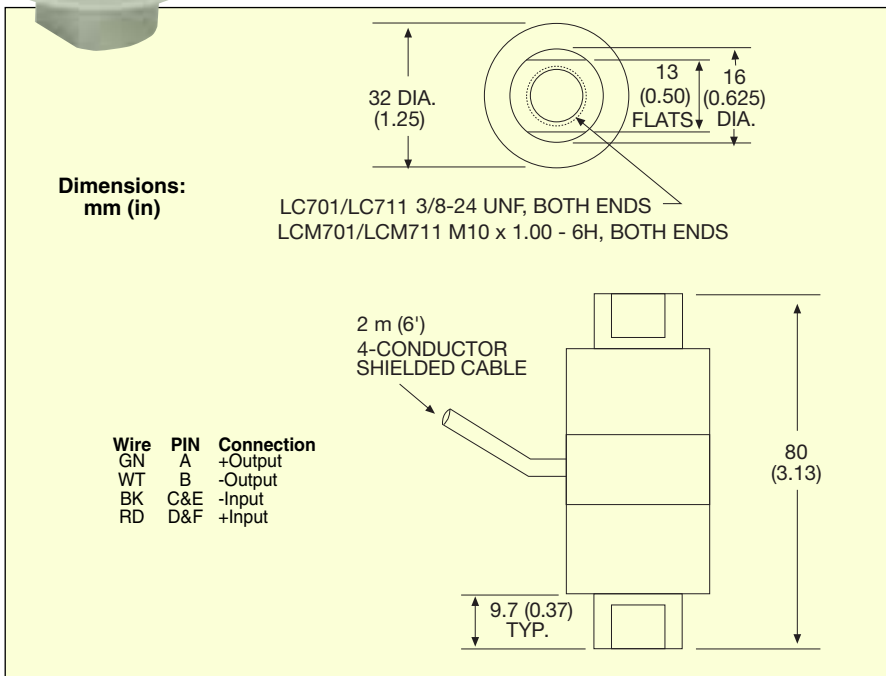
**Thermal Effects:**

**Zero:** ±0.0045% FSO/°C

**Span:** ±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

#### 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*
<b>STANDARD MODELS</b>					
100 lb	45 kgf	<b>LC701-100</b>	<b>LC711-100</b>	<b>\$595</b>	DPiS, DP41-S, DP25B-S
250 lb	114 kgf	<b>LC701-250</b>	<b>LC711-250</b>	<b>595</b>	DPiS, DP41-S, DP25B-S
750 lb	341 kgf	<b>LC701-750</b>	<b>LC711-750</b>	<b>595</b>	DPiS, DP41-S, DP25B-S
1000 lb	455 kgf	<b>LC701-1K</b>	<b>LC711-1K</b>	<b>595</b>	DPiS, DP41-S, DP25B-S
2000 lb	909 kgf	<b>LC701-2K</b>	<b>LC711-2K</b>	<b>595</b>	DPiS, DP41-S, DP25B-S
<b>METRIC MODELS</b>					
50 kgf	110 lb	<b>LCM701-50</b>	<b>LCM711-50</b>	<b>\$595</b>	DPiS, DP41-S, DP25B-S
500 kgf	1100 lb	<b>LCM701-500</b>	<b>LCM711-500</b>	<b>595</b>	DPiS, DP41-S, DP25B-S
1000 kgf	2200 lb	<b>LCM701-1K</b>	<b>LCM711-1K</b>	<b>595</b>	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')



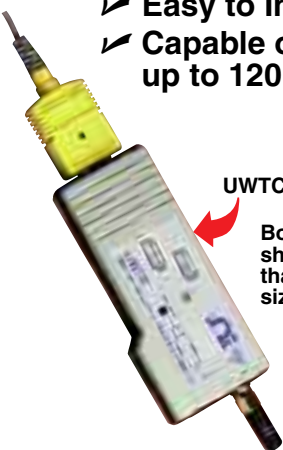
**For Complete Details See Wireless Section W**



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.