



FULL BRIDGE TENSION/COMPRESSION LOAD CELLS

LCLC Series
Tension/Compression
2.2 to 500 lb Capacities

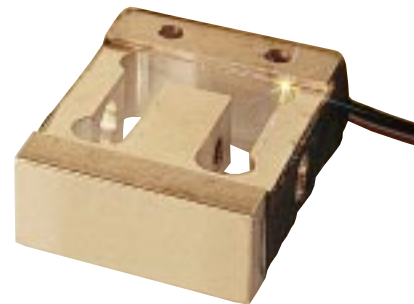
LCLC Series
\$305



- ✓ Full-Bridge Design to Simplify Use and Increase Sensitivity
- ✓ Temperature Compensated
- ✓ Simplified Tension and Compression Loading
- ✓ Symmetrical Loading Beam for High Accuracy



Shown Larger Than Actual Size



SPECIFICATIONS:

Excitation: 10 Vdc recommended; 15 Vdc maximum

Full Scale Output: 2 mV/V ± 0.2 mV

Bridge Configuration: Full Bridge

Linearity: $\pm 0.05\%$ FS for 2.2 to 100 lb, $\pm 0.1\%$, for 250 and 500 lb

Hysteresis: $\pm 0.05\%$ FS for 2.2 to 100 lb, $\pm 0.1\%$, for 250 and 500 lb

Repeatability: $\leq 0.05\%$ FS

Creep: 0.1% Load 20 min @ 20°C

Thermal Effects:

Zero 0.01% FS/°F

Span 0.005% Rdg/°F

Zero Balance: ± 0.4 mV/V

Insulation Resistance:

≥ 1000 M Ω at 50 Vdc

Operating Temp Range:

-140 to 66°C (-40 to 151°F)

Compensated Temp Range:

-10 to 46°C (15 to 115°F)

Safe Overload:

1000% of FS for 2.2 to 25 lb ranges

150% of FS for 50 to 500 lb ranges

Maximum Overload:

2000% of FS for 2.2 to 25 lb ranges

200% of FS for 50 to 500 lb ranges

Input Resistance:

1160 Ω ± 10 Ω

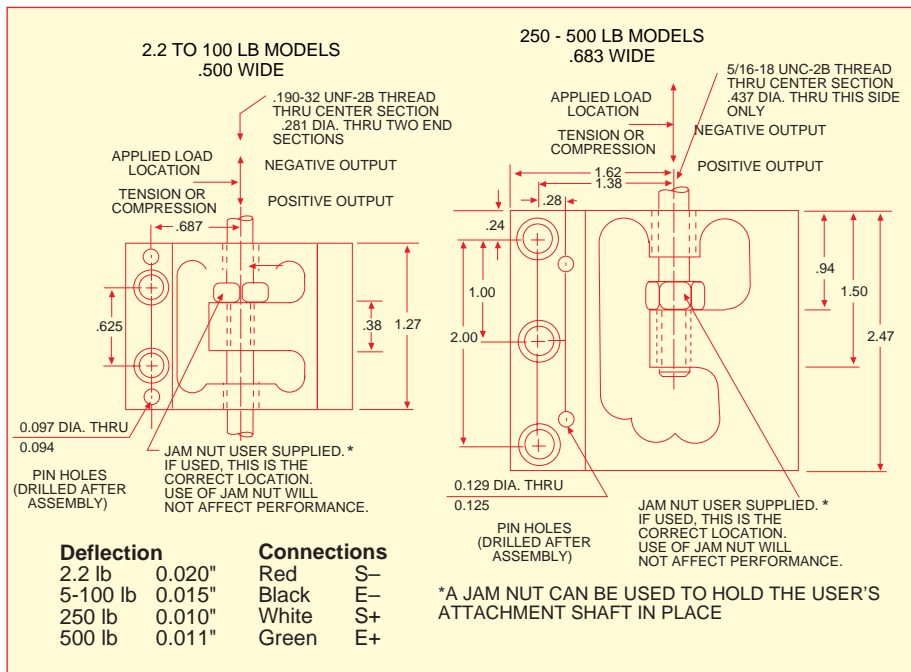
Output Resistance:

1000 Ω ± 10 Ω

Electrical:

6" (0.15 m)

3-Conductor Flat Cable



MOST POPULAR MODELS HIGHLIGHTED

To Order (Specify Model Number)			
RANGE (lb)	MODEL NO.	PRICE	COMPATIBLE METERS*
± 2.2	LCLC-002	\$305	DP41-S, DP25-S, DP302-S
± 5	LCLC-005	305	DP41-S, DP25-S, DP302-S
± 10	LCLC-010	305	DP41-S, DP25-S, DP302-S
± 25	LCLC-025	305	DP41-S, DP25-S, DP302-S
± 50	LCLC-050	305	DP41-S, DP25-S, DP302-S
± 100	LCLC-100	305	DP41-S, DP25-S, DP302-S
± 250	LCLC-250	305	DP41-S, DP25-S, DP302-S
± 500	LCLC-500	305	DP41-S, DP25-S, DP302-S

*See Section D For Compatible Meters

Ordering Example: LCLC-100, full bridge 100 lb capacity load cell, \$305.



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• 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

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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