

SUBMINIATURE TENSION OR COMPRESSION LOAD CELLS 0.75" DIAMETER

LC201 Series

**Tension/Compression
Calibrated in Tension**

0-25 lb to 0-300 lb

0-11 kg to 0-136 kg

1 Newton = 0.2248 lb

1 daNewton = 10 Newtons

1 lb = 454 g

1 t = 1000 kg = 2204 lb

All Models
\$485



- ✓ **Subminiature Package for Robotic Applications, 19 mm (0.75") Diameter**
- ✓ **Dual Mounting Studs for Easy Installation**
- ✓ **5-Point Calibration Provided**

OMEGA's LC201 Series subminiature load cells are designed for the demanding environment of industrial automation and robotics. With a diameter of only 19 mm (0.75") and all stainless steel construction, they can fit into small systems. The LC201 delivers high accuracy and long-term reliability in a subminiature package.

SPECIFICATIONS

Excitation: 10 Vdc, 15 Vdc max

Output: 2 mV/V nominal

Accuracy: $\pm 1.0\%$ FSO linearity, hysteresis, repeatability combined

5-Point Calibration (in Tension): 0%, 50%, 100%, 50%, 0%

Zero Balance: $\pm 2\%$ FSO

Operating Temp Range: -54 to 121°C (-65 to 250°F)

Compensated Temp Range: 16 to 71°C (60 to 160°F)

Protection Class: IP54



LC201-50, \$485, shown larger than actual size.



Thermal Effects:

Zero: 0.018% FSO/°C

Span: 0.018% FSO/°C

Safe Overload: 150% of capacity

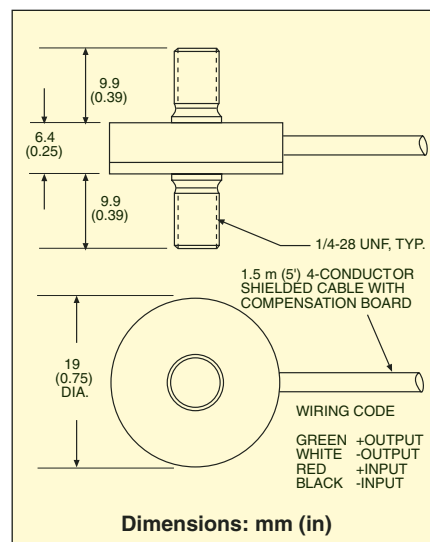
Ultimate Overload: 300% of capacity

Input Resistance: 360 Ω minimum

Output Resistance: 350 $\pm 10 \Omega$

Construction: Stainless steel

Electrical: 1.5 m (5') 4-conductor shielded cable with compensation board



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

CAPACITY		MODEL NO.	PRICE	COMPATIBLE METERS*
lb	kg			
25	11	LC201-25	\$485	DPiS, DP41-S, DP25B-S
50	23	LC201-50	485	DPiS, DP41-S, DP25B-S
75	34	LC201-75	485	DPiS, DP41-S, DP25B-S
100	45	LC201-100	485	DPiS, DP41-S, DP25B-S
300	136	LC201-300	485	DPiS, DP41-S, DP25B-S

Comes with 5-point NIST traceable calibration.

* See section D for compatible meters. DPiS meter suitable for one direction measurement only.

Ordering Examples: LC201-25, 25 lb capacity subminiature universal load cell, \$485. LC201-100, 100 lb capacity subminiature universal load cell, \$485.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
ME-1804	\$125	Reference Book: Mechanical Design Handbook

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