

LOW-RANGE CONSTANT MOMENT BEAM LOAD CELLS WITH 4-DIRECTION OVERLOAD STOPS

LC601 Series
Tension/Compression
0-1 lb to 0-25 lb
0-0.4 kg to 0-11 kg



All Models
\$395



LC601-25, \$395, shown smaller than actual size.

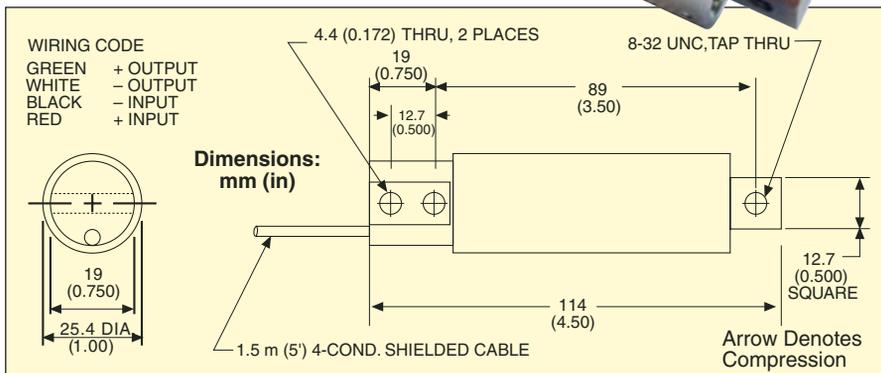


- ✓ FM Approved Intrinsically Safe (Standard)
- ✓ 4-Direction Overload Stops
- ✓ 0.25% Interchangeability
- ✓ High-Quality All Stainless Steel Construction
- ✓ Rugged Industrial Design
- ✓ 5-Point Calibration

OMEGA's LC601 Series comprises extremely low-capacity industrial load cells with built-in overload stops in all 4 directions for added durability. They offer high accuracy and rugged construction in a small package and are ideal for small scales and for industrial weighing applications.

SPECIFICATIONS

Excitation: 10 Vdc, 15 V max
Output: 2 mV/V $\pm 0.25\%$
5-Point Calibration (in Compression): 0%, 50%, 100%, 50%, 0%
Linearity: $\pm 0.03\%$ FSO
Hysteresis: $\pm 0.03\%$ FSO
Repeatability: $\pm 0.02\%$ FSO
Zero Balance: $\pm 1\%$ FSO
Agency Approvals: FM Intrinsically Safe/I.II.III/1/CDEFG
Operating Temperature Range: -34 to 82°C (-30 to 180°F)



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

Thermal Effects:
Zero: $\pm 0.0025\%$ FSO/°F
Span: $\pm 0.0010\%$ FSO/°F

Safe Overload: 150% of rated capacity
Ultimate Overload: 300% of capacity

Input Resistance: 360 Ω minimum
Output Resistance: 350 $\pm 10 \Omega$
Full Scale Deflection: 0.005 to 0.015" typ
Construction: Stainless steel
Electrical Connections: 1.5 m (5') 4-conductor shielded color-coded cable

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)				
CAPACITY		MODEL NO.	PRICE	COMPATIBLE METERS*
lb	kg			
1	0.4	LC601-1	\$395	DPiS, DP41-S, DP25B-S
2	909 g	LC601-2	395	DPiS, DP41-S, DP25B-S
5	2.3	LC601-5	395	DPiS, DP41-S, DP25B-S
10	4.5	LC601-10	395	DPiS, DP41-S, DP25B-S
15	7	LC601-15	395	DPiS, DP41-S, DP25B-S
25	11	LC601-25	395	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: LC601-5, 5 lb capacity load cell, \$395. LC601-10, 10 lb capacity load cell, \$395.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
ME-1708	\$160	Reference Book: CRC Handbook of Mechanical Engineering



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

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• Temperature

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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

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