

LOW-RANGE CONSTANT MOMENT BEAM LOAD CELLS

STANDARD AND METRIC MODELS

LC601/LCM601 Series
Tension/Compression
0-1 lb to 0-25 lb
0-0.4 kgf to 0-11 kgf

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

See Section Y for a
Selection of Scientific,
Technical, and Reference
Books Available from
omega.com

All Models
\$395



Standard

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

OMEGA's LC601/LCM601 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, 15V 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 Inherently 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

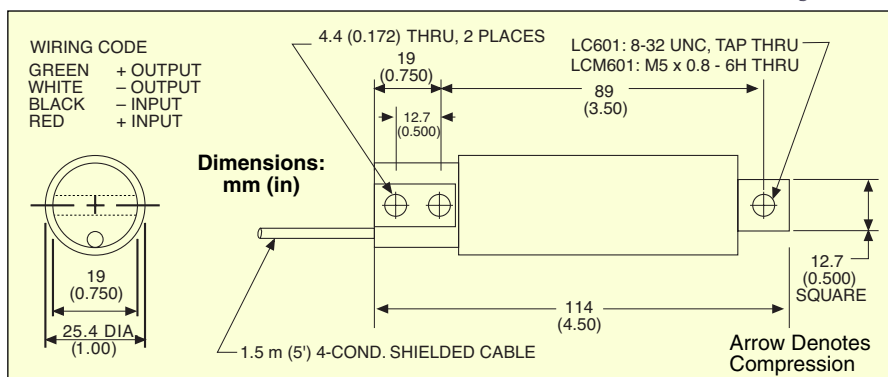
Span: $\pm 0.0010\%$ FSO/°F

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 MODEL HIGHLIGHTED!

To Order (Specify Model Number)				
CAPACITY		MODEL NO.	PRICE	COMPATIBLE METERS*
kgf	lb			
STANDARD MODELS				
0.4	1	LC601-1	\$395	DPiS, DP41-S, DP25B-S
909 g	2	LC601-2	395	DPiS, DP41-S, DP25B-S
2.3	5	LC601-5	395	DPiS, DP41-S, DP25B-S
4.5	10	LC601-10	395	DPiS, DP41-S, DP25B-S
7	15	LC601-15	395	DPiS, DP41-S, DP25B-S
11	25	LC601-25	395	DPiS, DP41-S, DP25B-S
METRIC MODELS				
1	2.2	LCM601-1	\$395	DPiS, DP41-S, DP25B-S
2	4.4	LCM601-2	395	DPiS, DP41-S, DP25B-S
5	11	LCM601-5	395	DPiS, DP41-S, DP25B-S
10	22	LCM601-10	395	DPiS, DP41-S, DP25B-S

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

* 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.

LCM601-5, 5 kgf capacity load cell, \$395.

LCM601-10, 10 kgf capacity load cell, \$395.



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

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088-466-342

CZECH REPUBLIC

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

BENELUX

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0800-099-33-44



More than 100,000 Products Available!

• 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