

HEAVY-DUTY CONSTANT MOMENT BEAM LOAD CELLS ENVIRONMENTALLY SEALED

LC602 Series
Tension/Compression
50 lb to 10,000 lb
23 kg to 4537 kg

LC602-5K, \$745,
shown smaller
than actual size.

Starts at
\$545



- ✓ FM Approved Intrinsicly Safe (Standard)
- ✓ 0.25% Interchangeability for Scale Applications
- ✓ High-Quality Stainless Steel Construction
- ✓ Rugged, Economical Design

The LC602 Series comprises heavy-duty load cells designed for industrial weighing and scale applications. They are highly accurate, rugged load cells that are economically designed.

SPECIFICATIONS

Excitation: 10 Vdc (15 V max)

Output:

≤500 lb: 2 mV/V

>500 lb: 3 mV/V ±0.25 % FSO

5-Point Calibration (in Compression):

0%, 50%, 100%, 50%, 0%

Linearity: ±0.03% FSO

Hysteresis:

≤500 lb: ±0.05% FSO

> 500 lb: ±0.03% FSO

Repeatability: ±0.02% FSO

Zero Balance: ±1.0% FSO

Operating Temp Range:

-34 to 82°C (-30 to 180°F)

Compensated Temp Range:

16 to 71°C (60 to 160°F)

Thermal Effects:

Zero: ±0.002% FSO/°F

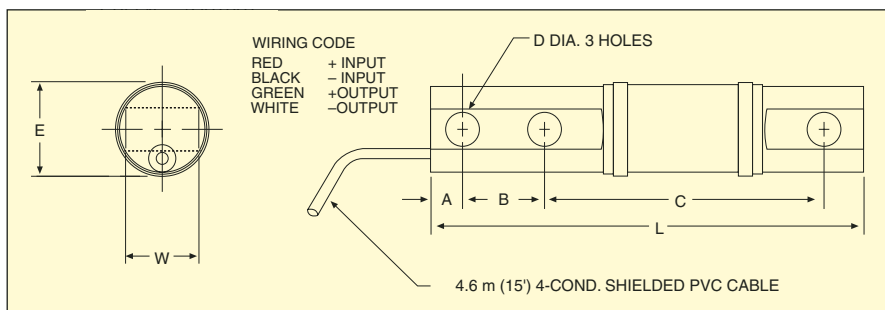
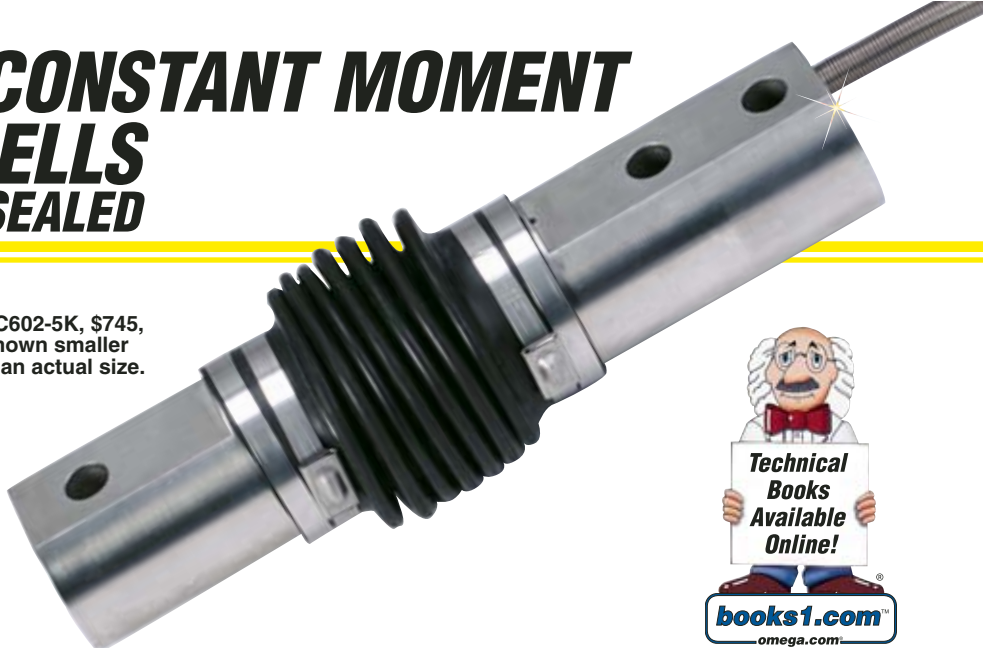
Span: ±0.001% FSO/°F

Safe Overload: 150% of capacity

Ultimate Overload: 300% of capacity

Input Resistance: 350 Ω minimum

Protection Class: IP65



Dimensions: mm (in)

CAPACITY (lb)	L	E	W	A	B	C	D
50 to 100	152 (6.00)	35 (1.37)	27 (1.06)	9.3 (0.37)	22 (0.875)	108 (4.25)	7.9 (0.31)
250 to 2000	169 (6.66)	35 (1.37)	27 (1.06)	13 (0.50)	29 (1.13)	108 (4.25)	13 (0.53)
2500	289 (11.38)	57 (2.25)	32 (1.25)	13 (0.50)	44 (1.75)	210 (8.25)	13 (0.53)
5000 to 10,000	323 (12.75)	95 (3.75)	70 (2.75)	19 (0.75)	51 (2.00)	216 (8.50)	20 (0.78)

Output Resistance: 350 ±10 Ω

Full Scale Deflection:

0.010 to 0.015" typical

Construction: Stainless steel

Agency Approval: FM Intrinsicly Safe
IS/I.II.III/1/CDEFG

Electrical: 4.6 m (15') PVC insulated,
4-conductor shielded color-coded cable

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

CAPACITY	MODEL NO.	PRICE	COMPATIBLE METERS*
50 lb	LC602-50	\$545	DP41-B, DP41-S, DP25B-S
100 lb	LC602-100	545	DP41-B, DP41-S, DP25B-S
250 lb	LC602-250	545	DP41-B, DP41-S, DP25B-S
500 lb	LC602-500	630	DP41-B, DP41-S, DP25B-S
1000 lb	LC602-1K	630	DP41-B, DP41-S, DP25B-S
1500 lb	LC602-1.5K	630	DP41-B, DP41-S, DP25B-S
2000 lb	LC602-2K	630	DP41-B, DP41-S, DP25B-S
2500 lb	LC602-2.5K	630	DP41-B, DP41-S, DP25B-S
5000 lb	LC602-5K	745	DP41-B, DP41-S, DP25B-S
7500 lb	LC602-7.5	745	DP41-B, DP41-S, DP25B-S
10,000 lb	LC602-10K	745	DP41-B, DP41-S, DP25B-S

Comes with 5-point NIST-traceable calibration.

Ordering Examples: LC602-2.5K, 2500 lb capacity load cell, \$630. LC602-250, 250 lb capacity load cell, \$545.

* See section D for compatible meters.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
OP-17	\$15	Reference Book: Measure for Measure



omega.co.uk[®]

Your One-Stop Source for Process Measurement and Control!

Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622 | Sales@omega.co.uk

www.omega.co.uk



UNITED STATES

www.omega.com

1-800-TC-OMEGA
Stamford, CT.

UNITED KINGDOM

www.omega.co.uk

Manchester, England
0800-488-488
+44-(0)161-777-6611

CANADA

www.omega.ca

Laval(Quebec)
1-800-TC-OMEGA

FRANCE

www.omega.fr

0800-466-342

GERMANY

www.omega.de

Deckenfronn, Germany
0800-8266342

BENELUX

www.omega.nl

0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

• 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

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet 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, Pressure Transmitters, Strain Gauges, 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