

LOW-PROFILE, 1" DIAMETER COMPRESSION LOAD CELL

LCGC Series
0-0.11 lb to 0-50 lb
0-0.5 kg to 0-23 kg

Starts at
\$515



LCGC-5, \$515, with DP25B-S strain meter, \$245, shown actual size. See page D-25 for details.

- Ideal for Load Measurement Where Space is Restricted
- Full Wheatstone Bridge Circuit Design
- Stainless Steel Construction in Ranges >10 lb

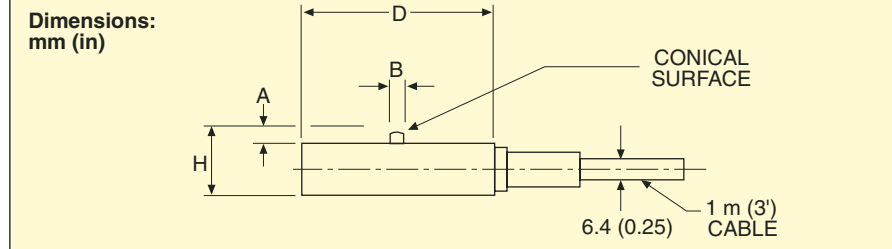
OMEGA's LCGC Series miniature load cells are useful in a variety of applications with minimal space and moderate capacity requirements. They provide excellent long-term stability and reliability in rugged operating conditions. High-quality strain gages, precision gaging techniques, and stainless steel construction ensure excellent operating characteristics.

SPECIFICATIONS

- Rated Output:** 2 mV/V nominal
- Excitation:** 10 Vdc
- Linearity:** $\pm 0.25\%$ FS
- Hysteresis:** $\pm 0.15\%$ FS
- Zero Balance:** Better than 1% FS
- Compensated Temp Range:** -9 to 66°C (15 to 150°F)
- Maximum Load (Safe Overload):** 150% rated capacity
- Ultimate Overload:** 250% rated capacity
- Bridge Resistance:** 350 Ω
- Construction:** ≤ 10 lb aluminum, > 10 lb 17-4 PH stainless steel
- Electrical:** 91 cm (36") insulated 4-conductor 30 AWG

LOAD RANGE	LIN. & HYST.	D	B	H	A	STRAIN GAGE
50, 150, 250 g	$\pm 0.15\%$ FS	25 (1.00)	0.8 (0.03)	9.4 (0.37)	0.5 (0.02)	350 Ω S.C.
500 g	$\pm 0.15\%$ FS	25 (1.00)	0.8 (0.03)	9.7 (0.38)	0.8 (0.03)	350 Ω S.C.
1000 g	$\pm 0.15\%$ FS	25 (1.00)	0.8 (0.03)	10 (0.40)	1.3 (0.05)	350 Ω S.C.
5 lb	$\pm 0.10\%$ FS	25 (1.00)	1.3 (0.05)	10 (0.40)	1.3 (0.05)	350 Ω Foil
10 lb	$\pm 0.10\%$ FS	25 (1.00)	2.5 (0.10)	11 (0.45)	2.5 (0.10)	350 Ω Foil
25 and 50 lb	$\pm 0.10\%$ FS	25 (1.00)	3.2 (0.125)	13 (0.50)	3.8 (0.15)	350 Ω Foil

Connections
Red E+
Black E-
White S+
Green S-



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)				
CAPACITY		MODEL NO.	PRICE	COMPATIBLE METERS*
0.11 lb	50 g	LCGC-50G	\$555	DP25B-S, DP41-S, DP302-S
0.33 lb	150 g	LCGC-150G	555	DP25B-S, DP41-S, DP302-S
0.55 lb	250 g	LCGC-250G	555	DP25B-S, DP41-S, DP302-S
1.1 lb	500 g	LCGC-500G	555	DP25B-S, DP41-S, DP302-S
2.2 lb	1 kg	LCGC-1KG	555	DP25B-S, DP41-S, DP302-S
5 lb	2.3 kg	LCGC-5	515	DP25B-S, DP41-S, DP302-S
10 lb	4.5 kg	LCGC-10	515	DP25B-S, DP41-S, DP302-S
25 lb	11 kg	LCGC-25	515	DP25B-S, DP41-S, DP302-S
50 lb	23 kg	LCGC-50	515	DP25B-S, DP41-S, DP302-S

Comes with complete operator's manual.

* See section D for compatible meters.

Ordering Example: LCGC-1KG, miniature compression disk load cell with 1 kg load capacity, \$555.

ACCESSORY

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



UNITED STATES

www.omega.com
1-800-TC-OMEGA
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CANADA

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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