

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.

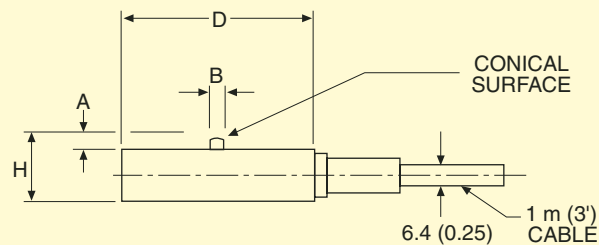
SPECIFICATIONS

- 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-

Dimensions:
mm (in)



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

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• 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