

MINIATURE TENSION OR COMPRESSION LOAD CELLS

LCFA Series
0.11 lb to 10,000 lb
50 g to 4500 kg

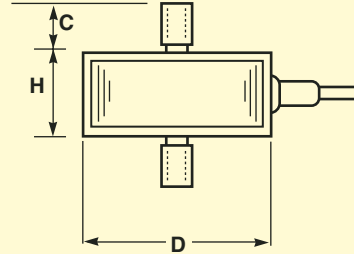
All Models
\$595



LCFA-5, \$595, shown actual size, with DP41-S meter, \$545. See page D-29 for details.

Dimensions: in

LOAD	LIN. & HYST.	THREAD	D	H	C	STRAIN GAGE
50, 150, 250, 500 g	±0.2% FS	6-32NC	1.00	0.50	0.40	350Ω Foil
1000 g, 5, 10, 25 lb	±0.2% FS	¼-28NF	1.00	0.50	0.40	350Ω Foil
50, 100, 250, 500, 1000 lb	±0.2% FS	¼-28NF	1.00	0.50	0.40	350Ω Foil
2000, 3000 lb	±0.2% FS	¾-24UNF	1.00	0.75	0.50	350Ω Foil
4000, 5000 lb	±0.2% FS	¾-20UNF	1.25	1.00	0.90	350Ω Foil
750, 10,000 lb	±0.2% FS	¾-16UNF	1.25	1.00	0.90	350Ω Foil



- ✓ Small Size for Use in Space-Restricted Areas
- ✓ Full Wheatstone Bridge Circuit Design
- ✓ Stainless Steel Construction for Units Above 25 lb Capacity

OMEGA's LCFA Series consists of reliable and accurate load cells. They are constructed of high-quality 17-4 PH stainless steel, which ensures accurate and repeatable measurements (units of 25 lb capacity and under are constructed of aluminum). A full 4-arm Wheatstone bridge inside these load cells ensures excellent long-term accuracy from 10 g to 10,000 lb.

SPECIFICATIONS

- Rated Output:** 2 mV/V nominal
- Excitation:** 10 Vdc
- Linearity:** ±0.2% FS
- Hysteresis:** ±0.1% FS
- Repeatability:** 0.1% FS
- Zero Balance:** Better than 1% FS
- Compensated Temp Range:** -9 to 66°C (15 to 150°F)
- Maximum Load (Safe Overload):** 150% of rated capacity
- Ultimate Overload:** 250% of rated capacity
- Bridge Resistance:** 350 Ω
- Construction:**
 - >25 lb: 17-4 PH stainless steel
 - ≤25 lb: Aluminum
- Electrical:** 0.9 m (36") insulated 4-conductor 30 AWG

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

LOAD CAPACITY		MODEL NO.	PRICE	COMPATIBLE METERS**
0.11 lb	50 g*	LCFA-50G	\$595	DPiS, DP25B-S, DP41-S
0.33 lb	150 g*	LCFA-150G	595	DPiS, DP25B-S, DP41-S
0.55 lb	250 g*	LCFA-250G	595	DPiS, DP25B-S, DP41-S
1.1 lb	500 g*	LCFA-500G	595	DPiS, DP25B-S, DP41-S
2.2 lb	1000 g*	LCFA-1KG	595	DPiS, DP25B-S, DP41-S
5 lb	2.3 kg	LCFA-5	595	DPiS, DP25B-S, DP41-S
10 lb	4.5 kg	LCFA-10	595	DPiS, DP25B-S, DP41-S
25 lb	11 kg	LCFA-25	595	DPiS, DP25B-S, DP41-S
50 lb	23 kg	LCFA-50	595	DPiS, DP25B-S, DP41-S
100 lb	45 kg	LCFA-100	595	DPiS, DP25B-S, DP41-S
250 lb	114 kg	LCFA-250	595	DPiS, DP25B-S, DP41-S
500 lb	227 kg	LCFA-500	595	DPiS, DP25B-S, DP41-S
1000 lb	455 kg	LCFA-1K	595	DPiS, DP25B-S, DP41-S
2000 lb	909 kg	LCFA-2K	595	DPiS, DP25B-S, DP41-S
3000 lb	1361 kg	LCFA-3K	595	DPiS, DP25B-S, DP41-S
4000 lb	1815 kg	LCFA-4K	595	DPiS, DP25B-S, DP41-S
5000 lb	2269 kg	LCFA-5K	595	DPiS, DP25B-S, DP41-S
7500 lb	3403 kg	LCFA-7.5K	595	DPiS, DP25B-S, DP41-S
10,000 lb	4537 kg	LCFA-10K	595	DPiS, DP25B-S, DP41-S

* Load ranges 25 lb and below are constructed of aluminum.

** See section D for compatible meters. DPiS meter suitable for one direction measurement only.

Comes with complete operator's manual.

Ordering Example: LCFA-250, miniature compression load cell with load capacity of 250 lb, \$595.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
ME-0013	\$275	Reference Book: Mechanical Engineer's Handbook



UNITED STATES

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1-800-TC-OMEGA
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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

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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