

MINIATURE TENSION OR COMPRESSION LOAD CELLS

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

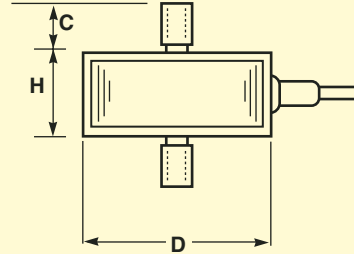
All Models
\$595



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

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