

LOW-CAPACITY PLATFORM LOAD CELLS FOR USE IN INDUSTRIAL WEIGHING

LCAA Series 0-5 lb to 0-50 lb

Starts at
\$475



- ✓ Built-In Overload Stops
- ✓ Calibration Certificate Supplied
- ✓ Rugged, Heat-Treated Steel for Long Life
- ✓ 0.037% FS Accuracy

The LCAA Series consists of heavy-duty, low-profile platform load cells for capacities of 5 to 50 lb. These cells are constructed of nickel-plated tool steel, heat treated for ruggedness and designed to provide maximum resistance to shock loading.

SPECIFICATIONS

Rated Output: 2 mV/V nominal (actual output supplied with each load cell)

Excitation: 10 Vdc (15 Vdc maximum)

Accuracy: ±0.037% FS

Linearity: ±0.03% FS

Hysteresis: ±0.02% FS

Repeatability: ±0.01% FS

Zero Balance: ±2% FS

Creep in 20 min: ±0.03% FS

Operating Temperature:

-18 to 66°C (0 to 150°F)

Compensated Temperature:

-18 to 66°C (0 to 150°F)

Thermal Effects:

Zero: 0.005% FS/°F

Span: 0.0008% rdg/°F

Maximum Load: 150% FS

Platform Size (Not To Exceed):

5 and 10 lb: 6 x 6"

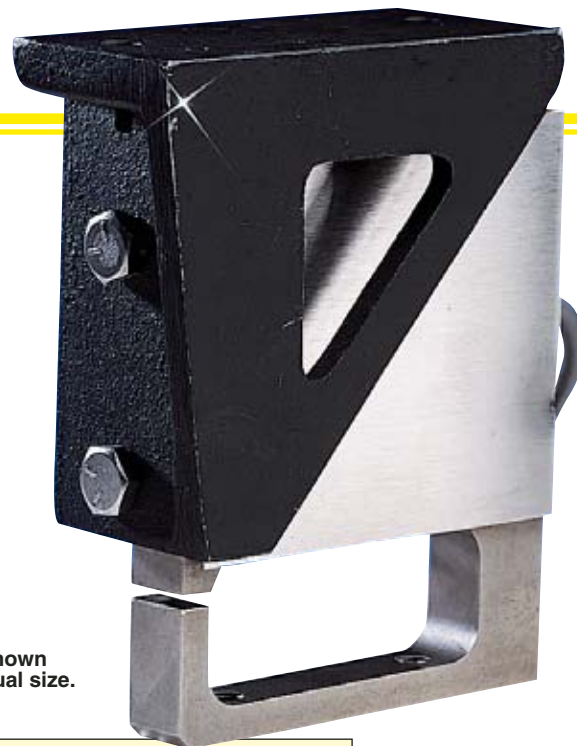
20 and 50 lb: 12 x 12"

Bridge Resistance: 350 Ω nominal

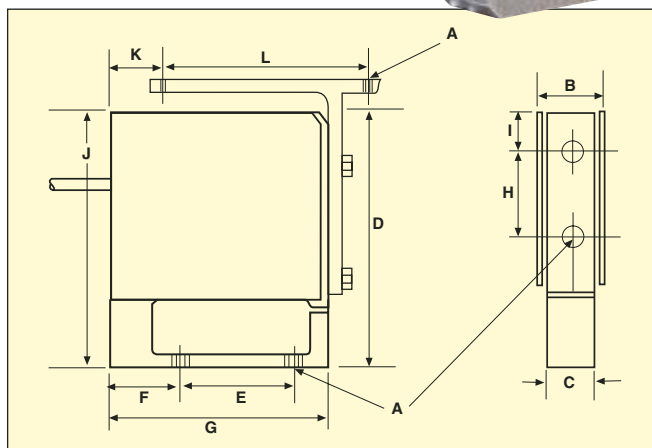
Full Scale Deflection: 0.02" ±0.005"

Construction: Nickel-plated steel

Cable: 3 m (10') 4-conductor shielded 22-gage wire



LCAA-5, \$475, shown smaller than actual size.



Dimensions: mm (in)

Capacity	A	B	C	D	E	F	G	H	I	J	K	L	Comp. Temp	Thermal Sens.	Defl.	Output
5 to 10	¼ to 28	16 (0.62)	13 (0.50)	102 (4.0)	44 (1.75)	25 (1.0)	86 (3.4)	39 (1.52)	17 (0.65)	121 (4.75)	27 (1.06)	70 (2.75)	-18 to 66°C (0 to 150°F)	0.0008% reading/ °F	0.76 (0.030)	2 mV/V
20 to 50	¼ to 28	22 (0.88)	19 (0.75)	102 (4.0)	44 (1.75)	25 (1.0)	86 (3.4)	39 (1.52)	17 (0.65)	121 (4.75)	27 (1.06)	70 (2.75)	-18 to 66°C (0 to 150°F)	0.0008% reading/ °F	0.76 (0.030)	22 mV/V

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

MODEL NO.	PRICE	CAPACITY		WEIGHT	COMPATIBLE METERS*
		lb	kg		
LCAA-5	\$475	5	2.3	1.5 lb	DP2000-S3, DP25B-S, DP41-S
LCAA-10	475	10	4.5	2.0 lb	DP2000-S4, DP25B-S, DP41-S
LCAA-20	510	20	9	2.0 lb	DP2000-S5, DP25B-S, DP41-S
LCAA-50	510	50	23	3.0 lb	DP2000-S3, DP25B-S, DP41-S
OP-17	15	Reference Book: Measure for Measure			

* See section D for compatible meters.

Ordering Example: LCAA-10, 10-lb capacity load cell, \$475.

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