

RUGGED SHEAR BEAM LOAD CELLS

LCJB SERIES

0-1000 LB TO 0-10,000 LB RANGES



- ✓ 0.25% Interchangeability Standard
- ✓ Calibration Certificate Supplied
- ✓ Water Resistant for Washdown Applications

OMEGA® LCJB rugged low profile shear beam load cells are ideal for process weighing and for use in low profile industrial scales. These economical units are easy to install and durable in the field. Environmental protection is afforded through water resistant potting, a compression sealed and strain relieved cable entry, and corrosion resistant nickel-plated steel construction.

Four LCJB-1K load cells shown with JBOX-4 summing box, \$300, see page F-66

Smaller than actual size

SPECIFICATIONS

Output: 3 mV/V ±0.008 mV/V
(To minimize tolerance, end user must recalibrate)

Excitation: 10 Vdc, 15 Vdc maximum

Accuracy: ±0.03% FS

Repeatability: ±0.01% FS

Zero Balance: ±1% FS

Creep in 20 Min.: ±0.03% Rdg

Operating Temperature: -54 to 93°C (-65 to 200°F)

Compensated Temperature: -17 to 66°C (0 to 150°F)

Thermal Effects: Zero: 0.0015% FS/°F
Span: 0.0008% Rdg/°F

Maximum Load: Safe: 150% FS

Ultimate: 400% FS; Side Load: 100% FS

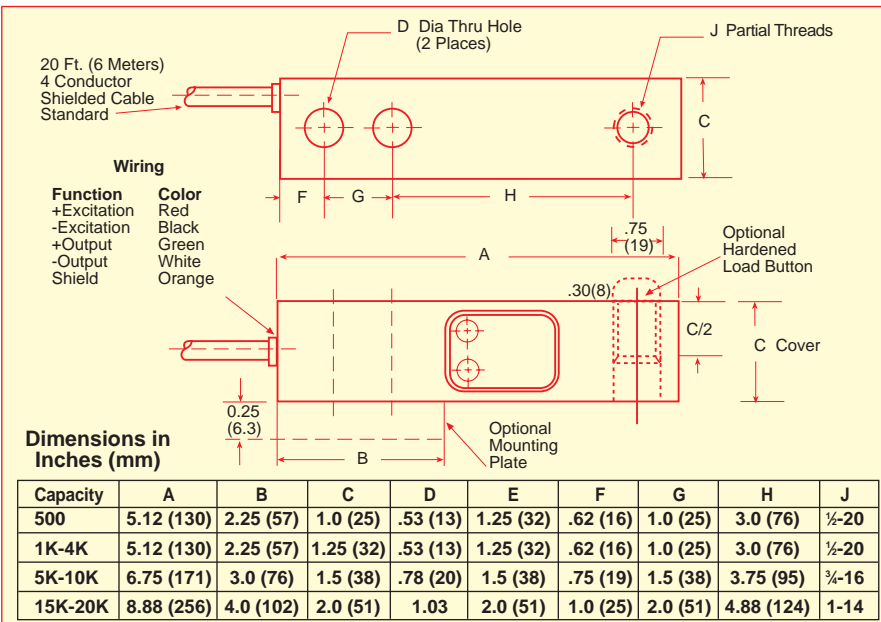
Bridge Resistance: Input: 350 Ω ±3.5 Ω

Output: 350 Ω ±3.5 Ω

Construction: Nickel-plated steel

Electrical: 20 ft (6 m) 4-conductor shielded cable

Weight: Up to 4 k Range: 2 lb (0.9 kg);
5 k and 10 k Range: 3.5 lb (1.6 kg)



MOST POPULAR MODELS HIGHLIGHTED

To Order (Specify Model Number)

MODEL NO.	PRICE	RATED CAPACITY	FS DEFL	WT (LB)	COMPATIBLE METERS*	LOAD BUTTON		ROD END		MOUNTING PLATES	
						MODEL NO.	PRICE	MODEL NO.	PRICE	MODEL NO.	PRICE
LCJB-1K	\$275	1000 lb	.016	2	DP41-S, DP3002-S, DP25-S	LBC-012	\$40	REC-012M	\$35	MFP-1	\$40
LCJB-2.5K	275	2500 lb	.03	2	DP41-S, DP3002-S, DP25-S	LBC-012	40	REC-012M	35	MFP-1	40
LCJB-4K	275	4000 lb	.04	2	DP41-S, DP87, DP25-S	LBC-012	40	REC-012M	35	MFP-1	40
LCJB-5K	355	5000 lb	.035	3.5	DP41-S, DP87, DP25-S	LBC-034	55	REC-034M	65	MFP-2	50
LCJB-10K	365	10000 lb	.042	3.5	DP41-S, DP87, DP25-S	LBC-034	55	REC-034M	65	MFP-2	50

See page F-65 for Weighing Assemblies

Ordering Example: For a 4,000 lb capacity system: LCJB-4K and TWA1-4K, \$275 + 425 = \$700.

*See Section D For Compatible Meters



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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

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• Pressure, Strain and Force

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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