

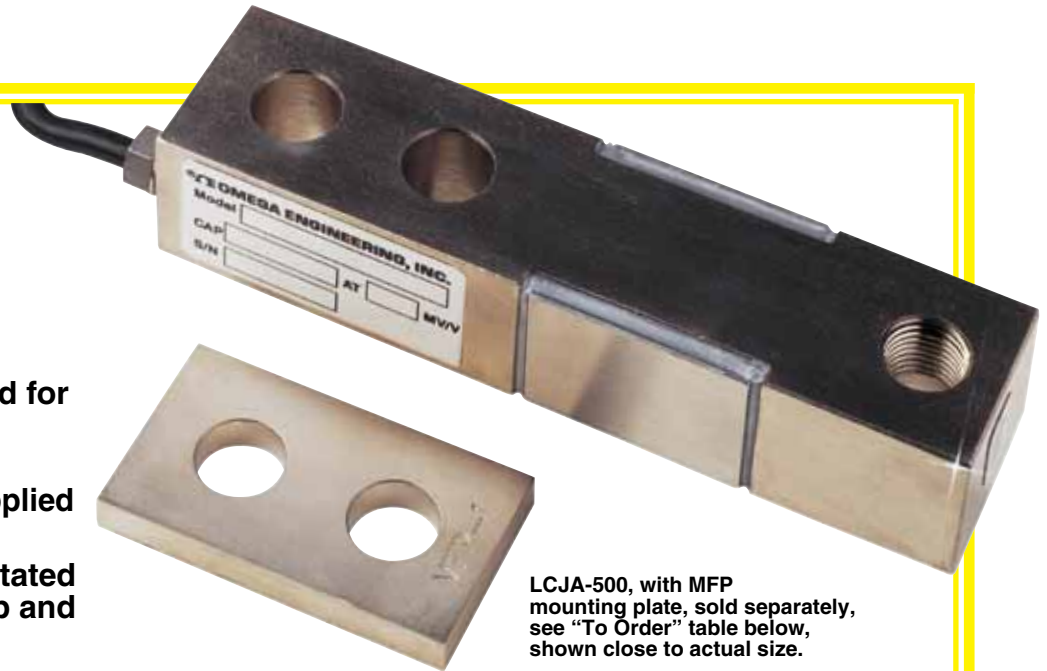
# HEAVY DUTY SHEAR BEAM LOAD CELLS

0-500 lb to 0-20,000 lb Ranges

## LCJA Series



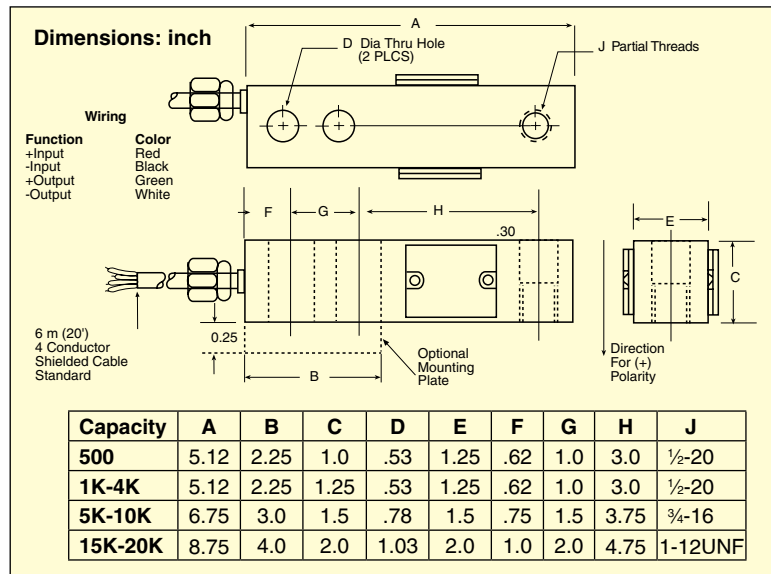
- ✓ Environmentally Protected for Washdown Applications
- ✓ Corrosion Resistant
- ✓ Calibration Certificate Supplied
- ✓ 0.25% Interchangeable
- ✓ Exact Full Scale Output Stated for Easy Equipment Setup and System Calibration



LCJA-500, with MFP mounting plate, sold separately, see "To Order" table below, shown close to actual size.

### SPECIFICATIONS

**Rated Output:** 3 mV/V  $\pm 0.0075$  mV/V (actual output supplied with each load cell)  
**Excitation:** 10 Vdc (15 Vdc maximum)  
**Accuracy:**  $\pm 0.037\%$  Full Scale  
**Linearity:**  $\pm 0.03\%$  FS  
**Hysteresis:**  $\pm 0.02\%$  FS  
**Repeatability:**  $\pm 0.01\%$  FS  
**Zero Balance:**  $\pm 1\%$  FS  
**Creep In 20 min:**  $\pm 0.03\%$  FS  
**Operating Temperature:** 0 to 150°F (-18 to 66°C)  
**Compensated Temperature:** 0 to 150°F (-18 to 66°C)  
**Thermal effects:** Zero - 0.0015% FS/°F Span - 0.0008% RDG/°F  
**Maximum Load:** 200% FS  
**Side Load Rejection:** 500:1  
**Bridge Resistance:** 350  $\Omega$  nominal  
**Full Scale Deflection:** 0.015 in to 0.025 in  
**Construction:** Nickel Plated Steel  
**Cable:** 20 ft 4-conductor shielded 22-gage wire



### To Order

MODEL NO.	RATED CAPACITY	FS DEFL	WT LB	COMPATIBLE METERS**	LOAD BUTTON	ROD END	MOUNTING PLATES
					MODEL NO.	MODEL NO.	MODEL NO.
LCJA-500	500 lb	0.013	4	DP41-S, DP3002-S, DP25-S	LBJ-012	REC-012M	MFP-1
LCJA-1K	1000 lb	0.013	4	DP41-S, DP3002-S, DP25-S	LBJ-012	REC-012M	MFP-1
LCJA-2K	2000 lb	0.015	4	DP41-S, DP3002-S, DP25-S	LBJ-012	REC-012M	MFP-1
LCJA-2.5K	2500 lb	0.015	4	DP41-S, DP3002-S, DP25-S	LBJ-012	REC-012M	MFP-1
LCJA-4K	4000 lb	0.025	4	DP41-S, DP3002-S, DP25-S	LBJ-012	REC-012M	MFP-1
LCJA-5K	5000 lb	0.025	3.5	DP41-S, DP87, DP25-S	LBJ-034	REC-034M	MFP-2
LCJA-10K	10000 lb	0.035	3.5	DP41-S, DP87, DP25-S	LBJ-034	REC-034M	MFP-2
LCJA-15K	15000 lb	0.035	9	DP41-S, DP87, DP25-S*	LBJ-100	REC-100M	MFP-3
LCJA-20K	20000 lb	0.035	9	DP41-S, DP87, DP25-S*	LBJ-100	REC-100M	MFP-3

\* 4-digit meter, counts by 10 or scale to tons. Visit OMEGA for weighing assemblies.

\*\* Visit us online for compatible meters.

Ordering Example: For a 2000 lb capacity system: LCJA-2K + TWA4-2K.