

HEAVY DUTY SHEAR BEAM LOAD CELLS

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

LCJA Series



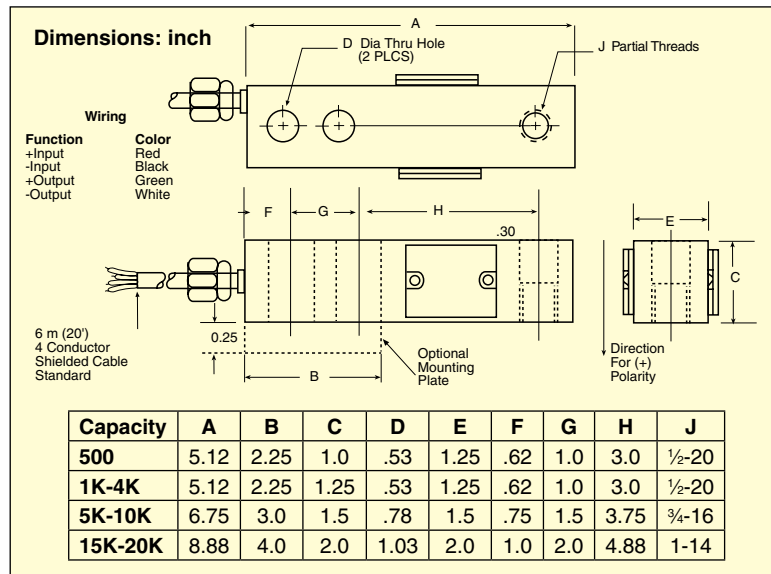
- ✓ Environmentally Protected for Washdown Applications
- ✓ Corrosion Resistant
- ✓ Calibration Certificate Supplied
- ✓ 0.25% Interchangeable
- ✓ Exact Full Scale Output Stated for Easy Equipment Setup and System Calibration



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

SPECIFICATIONS

- Rated Output:** 3 mV/V ± 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 Ω 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.