

LOAD CELL SUMMING/ JUNCTION BOXES FOR MULTIPLE LOAD CELL INSTALLATIONS

JBOX-2
\$265



- ✓ NEMA 4 (IP65) Enclosure Standard
- ✓ Heavy-Duty Case for Industrial Installations
- ✓ Models for Up to 10 Load Cell Systems
- ✓ Internal Screw Terminations

A J-BOX takes the input from multiple load cells and sums them in parallel to form a single output equal to the sum of the forces on the load cells. Summing is a common practice in industry, as most tanks, bins, hoppers and platforms are often supported by 2, 3 or 4 load cells which are used to give the total weight being monitored. All load cells should be of the same capacity and have interchangeability rated outputs within 3.3% of each other. OMEGA® load cells LC101, LCCA, LCCB, LCJA, LCJB, LC501, LCDA, LCDB and LCTB have interchangeability specifications better than 3.3%. Load cells with larger interchangeability specifications can be used with the J-Boxes, however, user-supplied external resistors must be added.

SPECIFICATIONS

Weight:

- JBOX-2 and 4: 3 kg (7 lb)
- JBOX-6 and 8: 4.5 kg (10 lb)
- JBOX-10: 7 kg (15 lb)

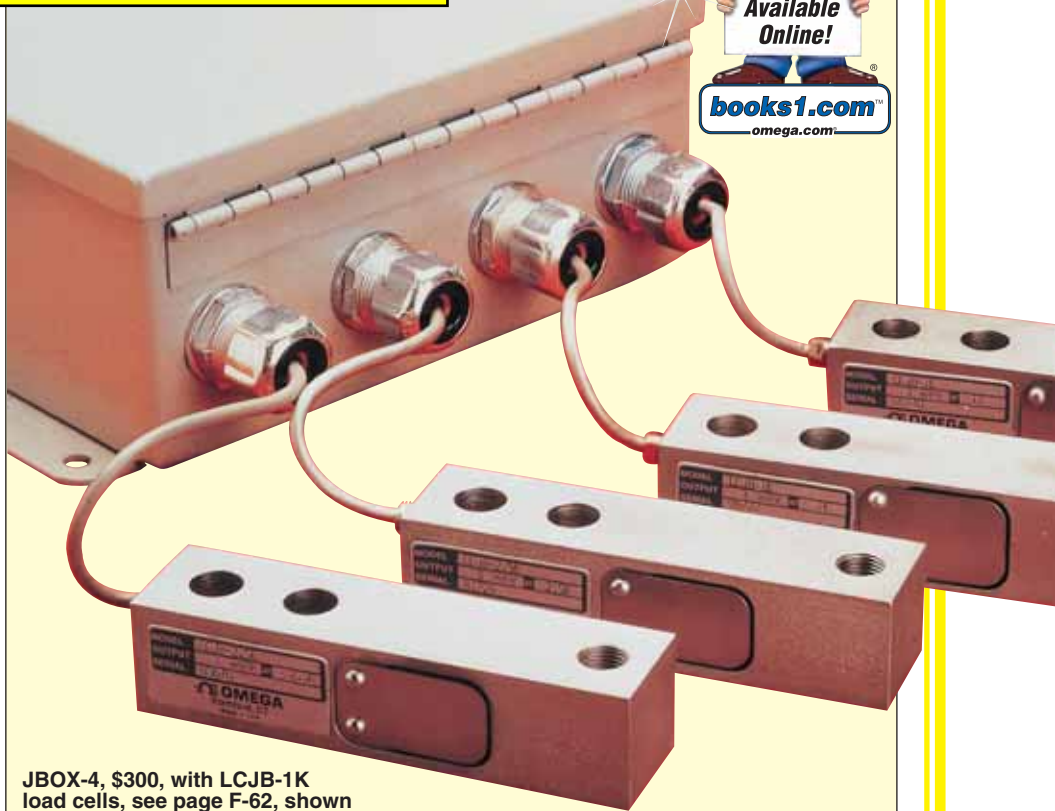
Span: 3.3% adjustment; larger adjustment requires external resistors

Feedthroughs: Compression, 3.18 to 6.35 mm (0.125 to 0.25") dia. wire

Lead Wire: 6.7 m (22') 6-conductor shielded jacketed wire, 22 gage

Case: Epoxy-coated carbon steel

DISCONTINUED PRODUCT



JBOX-4, \$300, with LCJB-1K load cells, see page F-62, shown smaller than actual size.



Dimensions:

- JBOX-2 and 4:** 229 x 152 x 76 mm (9 x 6 x 3")
- JBOX-6 and 8:** 279 x 203 x 102 mm (11 x 8 x 4")
- JBOX-10:** 330 x 254 x 127 mm (13 x 10 x 5")

Ordering Example for 10,000-lb System

4-LCJB-2.5 load cells	\$ 275 each
1-JBOX-4 summing box	300
1-PSS-10 power supply	150
1-DP87 digital display	<u>729</u>
Total	\$2279

WIRE CODE	
RED: + EXC	GREEN: + SIGNAL
ORANGE: + SENSE	YELLOW: - SIGNAL
BLACK: - EXC	CLEAR: SHIELD
BROWN: - SENSE	

DISCONTINUED PRODUCT

To Order (Specify Model Number)

MODEL NO.	PRICE	DESCRIPTION
JBOX-2	\$265	Sums 2 load cells
JBOX-4	300	Sums up to 4 load cells
JBOX-6	500	Sums up to 6 load cells
JBOX-8	540	Sums up to 8 load cells
JBOX-10	660	Sums up to 10 load cells
JBOX-12	685	Sums up to 12 load cells

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
GE-2383	\$95	Reference Book: Engineering Formulas





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