

Model 4LC

EXCITATION TRIM LOAD CELL SUMMING CARD

SPECIFICATIONS

The 4LC Summing Card is 3" wide X 4" long. It has four 5-position terminal strips for load cell input and one 7-position terminal strip with internally jumped sense terminals for output to the instrument. The board will sum 2 to 4 load cells and can be daisy-chained to sum up to 8 load cells using 2 summing cards. Trimming is accomplished with four 25-turn trim pots with an operating temperature range of -55°C to +125°C. The board can be mounted with the four 11/64" mounting holes provided, with a spacing of 2½" X 3½" on center.

OPTIONS

- ◆ 0, 20, or 100 Ohm Trim Versions
- ◆ Lever-Operated Cage-Clamp Spring Terminal Strips

LOAD CELL COLOR CODES

WIRING FOR SUMMING CARD INPUT					
TYPE	SHLD	+EXC	-EXC	+SIG	-SIG
Beowulf	SHLD	GREEN	BLACK	WHITE	RED
BLH	SHLD	GREEN	BLACK	WHITE	RED
Cardinal	SHLD	GREEN	BLACK	WHITE	RED
Electroscale	SHLD	RED	BLACK	GREEN	WHITE
HBM	SHLD	GREEN	BLACK	WHITE	RED
Interface	SHLD	RED	BLACK	GREEN	WHITE
National	SHLD	GREEN	BLACK	WHITE	RED
NCI	SHLD	RED & YEL	BLK & BLU	WHITE	GREEN
Revere	SHLD	GREEN	BLACK	WHITE	RED
Sensortronics	SHLD	RED	BLACK	GREEN	WHITE
Tedea	SHLD	GRN & BLU	BLK & BRN	RED	WHITE
Toledo	SHLD	GREEN	BLACK	WHITE	RED
Tranducer	SHLD	RED	BLACK	GREEN	WHITE
Weightronix	WHT/ORN	GREEN	BLACK	WHITE	RED

CALIBRATION

After all wiring is complete and the scale instrument is powered up, turn each of the four trim pots fully clockwise to obtain the highest possible output from each load cell. Before proceeding with the following adjustments, check the scale for repeatability and correct any problems.

I. SHIFT ADJUSTMENT

- A. Place a test weight over each of the load cells and record the lowest reading and its location. This reading will be used as your target weight.
- B. Place the test weight over each of the other load cells and if necessary, adjust the corresponding trim pot to match the target weight.
- C. Place the test weight over the cell located in step A. Record this weight as the new target weight and repeat steps B & C until all cells are matched to within the desired tolerance.

II. SPAN ADJUSTMENT

- A. Calibrate the scale using the instrument calibration instructions supplied by the manufacturer.

BOARD LAYOUT

