

## **Model CSB Load Cell Summing Card Signal Trim**

### **Calibration**

1. Connect all the load cells.
2. Connect the indicator and apply power.
3. Check that each load cell will indicate a weight change when a load is applied.
4. Turn all potentiometers fully clockwise for maximum signal.
5. Place a test load on load cell #1 and record the indication.
6. Move the test load to load cell #2 and record the indication
7. Repeat for cells #3 and #4.
8. The lowest reading is the target
  1. The potentiometer for the target will not be adjusted.
9. Move the test load to each of the other cells
  1. Adjust the potentiometer to make the indicator match the target.
10. Move the test load back to the target cell.
  1. If the target has changed the new indication is the new target
11. Move the test load to each of the other cells
  1. Adjust the potentiometer to make the indicator match the target.
12. When all (4) cells have the same indication, the procedure is complete.

### **Specifications**

1. Size is 3" x 4"
2. (5) Terminal blocks
  1. (1) for Indicator
    1. +EX -EX +SENS -SENS +SIG -SIG
  2. (4) for load cells
    1. +EX -EX +SIG -SIG
3. +EX is jumped to +SENS and -EX is jumped to -SENS on card.
4. Terminals are push button type.
  1. Depress button to open terminal.
  2. Insert wire.
  3. Release button to engage wire
5. Signal is trimmed with 25 turn potentiometers that shunt the load cell output.
  1. Operating range -55 deg C to +125 deg C

## Model CSB E Load Cell Summing Card Excitation Trim

### Calibration

1. Connect all the load cells.
2. Connect the indicator and apply power.
3. Check that each load cell will indicate a weight change when a load is applied.
4. Turn all potentiometers fully clockwise for maximum signal.
5. Place a test load on load cell #1 and record the indication.
6. Move the test load to load cell #2 and record the indication
7. Repeat for cells #3 and #4.
8. The lowest reading is the target
  1. The potentiometer for the target will not be adjusted.
9. Move the test load to each of the other cells
  1. Adjust the potentiometer to make the indicator match the target.
10. Move the test load back to the target cell.
  1. If the target has changed the new indication is the new target
11. Move the test load to each of the other cells
  1. Adjust the potentiometer to make the indicator match the target.
12. When all (4) cells have the same indication, the procedure is complete.

### Specifications

1. Size is 3" x 4"
2. (5) Terminal blocks
  1. (1) for Indicator
    1. +EX -EX +SENS -SENS +SIG -SIG
  2. (4) for load cells
    1. +EX -EX +SIG -SIG
3. +EX is jumped to +SENS and -EX is jumped to -SENS on card.
4. Terminals are lever type.
  1. Depress lever to open terminal.
  2. Insert wire.
  3. Release lever to engage wire
5. Excitation is trimmed with 25 turn potentiometers in series with the load cell input.
  1. Operating range -55 deg C to +125 deg C