

## Model 1251, 1260, 1280, 12100 Load Cell Summing Card Signal Trim

### Calibration

1. Set Up
  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.
2. Shift Adjustment
  1. Place a test load on one load cell in section 1 and record the indication.
  2. Move the test load to the other load cell in section 1 and record the indication.
  3. The lowest reading is the target for this section.
    1. The potentiometer for the target will not be adjusted.
  4. Move the test load to the cell with the highest indication.
    1. Adjust the potentiometer to make the indicator match the target.
  5. Move the test load to the target cell.
    1. If the target has changed the new indication is the new target
  6. Move the test load to the other cell.
    1. Adjust the potentiometer to make the indicator match the target.
  7. When both cells have the same indication, the procedure is complete.
  8. Repeat steps 1 thru 7 for each additional section.
    1. Record the target for each section.
3. Section Adjustment
  1. The lowest section is the target.
    1. The target section will not be adjusted.
  2. Move the test load to another section.
    1. Adjust the section potentiometer to make the indicator match the target
  3. Repeat for the other sections.

### Specifications

1. Size is 5" x 6-3/4"
2. (6) Terminal blocks
  1. (1) for Indicator
    1. +EX -EX +SENS -SENS +SIG -SIG
  2. (4) for load cells
    1. +EX -EX +SIG -SIG
  3. (1) for Expansion
    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. Signal is trimmed with 25 turn potentiometers that shunt the load cell and section output.
  1. Operating range -55 deg C to +125 deg C