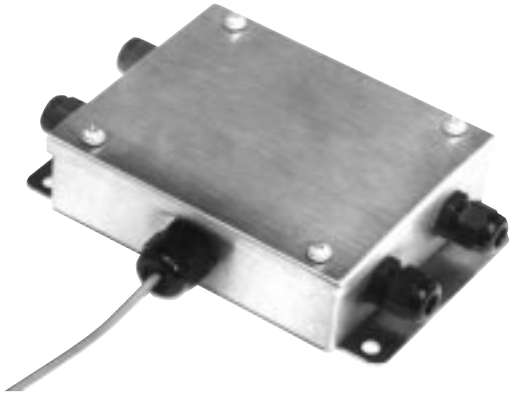
LOAD CELL SUMMING BOXES (C18-1, C19-1, C20-1) EXCITATION TRIM

SPECIFICATIONS

The 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.

FEATURES

- 100 ohm trim pots
- Lever-operated cage-clamp spring terminal strips
- Stainless steel enclosure box



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.

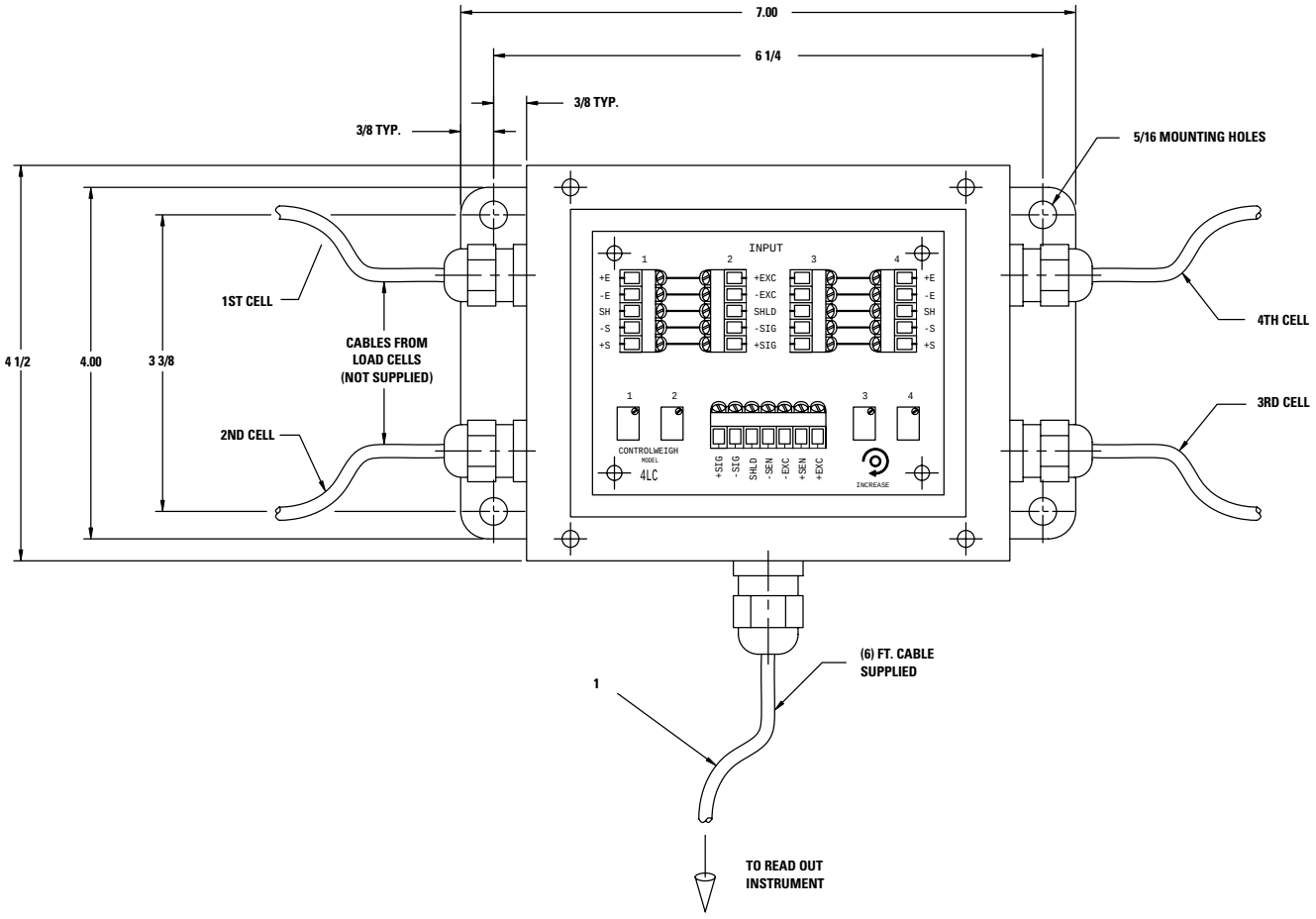
B. Place the test weight over each of the other load cells and, if necessary, adjust the corresponding trim pot to match the target weight.

C. Place the test weight over the cell located in step A. Record this weight as the new target weight and repeat steps B and 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 its manufacturer.

C18-1	2 Cells
C19-1	3 Cells
C20-1	4 Cells



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