

CALIBRATION PROCEDURE; BADGER METER ELECTRONIC SCALLABLE TRANSMITTERS

STEP #1

RUN THREE TEST TO DETERMINE THE AMOUNT DELIVERED VERSES THE AMOUNT SHOWN ON THE BATCH COUNTER. THESE TEST SOULD BE CONSISTANT WITH ONE ANOTHER.

STEP #2

READ THE SCALE FACTOR SETTING ON THE METER TRANSMITTER. (SEE FIG. 1)

STEP #3

USING THE FOLLOWING FORMULA, FIGURE THE NEW SCALE FACTOR FOR ERROR CORRECTION.

$$\frac{\text{QUANTITY DELIVERED}}{\text{QUANTITY ASKED FOR}} \times \text{OLD SCALE FACTOR} = \text{NEW SCALE FACTOR}$$

STEP #4

SET NEW SCALE FACTOR ON METER TRANSMITTER.

EXAMPLE

THREE 100 GALLON TEST WERE RUN WITH THE FOLLOWING RESULTS:

DELIVERED AMOUNT	DISPLAYED AMOUNT
103	100
102.5	100
103	100

EXISTING SCALE FACTOR IS .0403

$$\frac{102.8}{100} \times .0403 =$$

SET SCALE SWITCHES AT .0414

