



# 210 Counting Operation Guide

## Enable Counting in Setup

To use the **Fn (Legacy COUNT/SAMPLE)** key and all counting functions, the Mode of Operation must be set to **0 – Normal Scale Operation** ( $OPER = 0$ ) and the Legal For Trade must be set to **0 – NO** ( $LF = 0$ ) during Setup and Calibration. For details, refer to the *210 Installation and Technical Manual* (8200-M585-O1).

## Sampling and Counting

1. With the indicator in the Gross Weight mode (Gross annunciator, G on the display), press the **Fn (Legacy COUNT/SAMPLE)** key. The display will show "ADD 5 PCS" if no previous sample has been taken, or it will show "COUNT=" if a sample has previously been taken.
2. If "ADD 5 PCS" is displayed, proceed to step 4.
3. If "COUNT=" is displayed, press the **Fn (Legacy COUNT/SAMPLE)** key again to change the display to show "ADD 5 PCS", then continue to step 4.
4. If needed, press the **Fn (Legacy COUNT/SAMPLE)** key again to step to the next sample quantity.
5. Continue pressing the **Fn (Legacy COUNT/SAMPLE)** key until the desired value is displayed.  
NOTE: Pressing the **Fn (Legacy COUNT/SAMPLE)** key repeatedly will cause the sample quantity to step in the following sequence: 5, 10, 25, 50, 75, 5, 10, etc.
6. When the displayed value (for the sample size) is acceptable, press the **ENTER** key **OR** use the numeric keys to enter a new value (for the sample size), and then press the **ENTER** key to save it and proceed with the counting operation. Press the **\*** key to abort the input operation.
7. Add the indicated sample quantity and press the **ENTER** key.
8. Add the pieces to be counted and read the total count.
9. Press the **NET/GROSS** key to complete the counting operation and return the 210 to normal operation.

## Counting Out From A Container

1. Place the filled container on the scale platform and press the **TARE** key.
2. The display will show zero weight and turn on the Net Weight annunciator (N on the display).
3. Press the **Fn (Legacy COUNT/SAMPLE)** key.
4. Remove a sample piece from the container and press the **ENTER** key.
5. Remove the pieces from the container and read the total number removed.
6. Press the **NET/GROSS** key to complete the counting operation and return the 210 to normal operation.

## Important!

- As your need for counting accuracy increases, the size of your samples must also increase.
- As the individual uniformity of your parts decreases, the sample size must increase.
- Manual counting errors may occur if the samples are larger than necessary are used.
- Because of the variation of individual container weights, be certain to "tare off" each container by placing the empty container on the scale and pressing the **ZERO** key before proceeding with the count operation.



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## Count Accumulators

### To View the COUNT Accumulator:

1. Press the **\*** key. The display will show ACCUMULATOR= and turn on the ACCUM annunciator.
2. Press the **Fn (Legacy COUNT/SAMPLE)** key.
3. The indicator will display XXXXXXXXXX PCS, the piece count accumulator value.
4. Press the **\*** key to return to normal operation.

### To Print the COUNT Accumulator:

1. Press the **\*** key. The display will show ACCUMULATOR= and turn on the ACCUM annunciator.
2. Press the **Fn (Legacy COUNT/SAMPLE)** key. The indicator will display the piece count accumulator value.
3. Press the **PRINT** key.
4. The value for the Piece Count accumulator will be printed.
5. Press the **\*** key.
6. The indicator will return to normal operation when printing has been completed.

### To Zero the COUNT Accumulator:

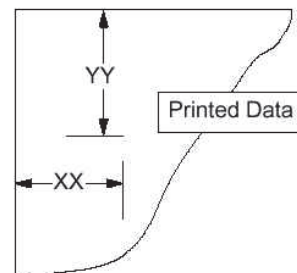
1. Press the **\*** key. The display will show ACCUMULATOR= and turn on the ACCUM annunciator.
2. Press the **Fn (Legacy COUNT/SAMPLE)** key. The indicator will display the piece count accumulator value.
3. Press the **ZERO** key.
4. The value for the Piece Weight accumulator will be reset to zero.
5. Press the **\*** key to return to normal operation.

## Print Tab Settings

With *Print* (*Print?*) displayed, press the **ENTER** key to step through the print tab settings until the *Count=* prompt is displayed.

The general format for print tab settings input is A = YY.XX, where A is the character identifying the data printed, YY is the number of lines down, and XX is the number of spaces to the right.

**NOTE: To disable the data from printing, enter 00 in either the YY or XX location.**



### *Count=* (Count "number of pieces on the scale" Print Location)

Press the **ENTER** key to show the current setting for the location of the Count (number of pieces on the scale) printing. If the setting displayed is acceptable, press the **ENTER** key again to save it. Otherwise, use the numeric keys to enter a new location and then press **ENTER** to save it.

### *Each=* (Piece Weight Print Location)

Press the **ENTER** key to show the current setting for the location of Piece weight printing. If the setting displayed is acceptable, press the **ENTER** key again to save it. Otherwise, use the numeric keys to enter a new location and then press **ENTER** to save it.

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