

# Instructions for AcuCount 102 b

AcuCount 102 is a product specifically designed to assist people who need to count money quickly and accurately. Its primary function is to total coins, bills, coupons, stamps etc. Several features have been placed into this product that the average user should find most helpful in the course of their workday. AcuCount is extremely simple to use, Most functions require the user to only press a single button that is clearly marked on its display panel

## **Capacity:-**

AcuCount has the capacity to hold ten (10) lbs. of weight. If you exceed this limit a "00000" will appear on the (LCD). We recommend you not shock the scale by placing heavy weights on it suddenly.

**AcuCount can count: \$18.00 in pennies, \$50.00 in nickels, \$202.00 in dimes, \$203.00 in quarters in three (2) seconds.**

## **Getting Started**

1) First turn the scale on [ON] (switch located in the back) Wait 10 seconds for it to self-test.

The (LCD) should read "0.00" (counter defaults into pennies = money mode).

2) The scale is now ready to perform any of its functions.

2a) You may want to zero [-0-] out the tray at this point. Do so by placing the tray on the platform and pressing the [-0-] button. (LCD) will show "0.00." again.

*Note: If you start the counter with the tray on the platform it will automatically be zeroed out.*

## **Level 1 Counting Coin: [\$] (default)**

To enter the money counting mode press [\$]. The display (LCD) will show "0.00" with a small inverted triangle pointing towards "Pen." on the display panel. By pressing the [\$] repeated times AcuCount will advance to different denominations. {Pen. - Qtr.} The last two (2) settings on the display panel are programmable "Pro. 1" & "Pro.2". ideal for tokens and the dollar coin.

**Optional:** (*Step by step instructions on the last page*) In certain parts of the country and Canada coins can weigh different depending on the Mint. We have a solution! If you determine that our preset values for coin are different then your area follow the steps described below under "Programmable Settings". Instead of using "Pro. 1 or Pro.2" you can place a custom value where "Qtr", "Dime", "Nik". and "Pen". are now located. The scale will still display the amount in question in monetary figures. We recommend for the sample at **least** 100 coins.

## **Level 2 Counting Currency**

Pressing [Level 1 2 3] will advance the counter to its various levels. "Level 2" displays in whole dollars.

By repeat pressing the [\$] will move the inverted triangle (pointer) forward, accessing the different denominations

(\$1s - \$100s). These locations need to be programmed by the user before they are active.

## **Level 3 Programmable Piece Counter**

Pressing [Level 1 2 3] will advance the counter to its various levels. Level 3 displays in a 1 for 1 read out.

These locations can be used to enter items that are routinely counted and deserve a programmable location

By repeat pressing the [\$] will move the inverted triangle (pointer) forward, accessing the different Piece locations (Pc. 1 -Pc.6)

## **Programmable Settings: (Step by step instructions on the last page)**

AcuCount has placed (2) programmable settings in [Level 1] in the money counting mode and (6) additional in the piece counting mode [Level 3 ] these locations allow the user to put in a permanent value to weigh bills, tokens, product, redemption tickets, food stamps, etc. Once the scale is programmed this value will be in place for as long as you decide. It will not erase if you turn off the scale. To program these positions you must create a sample. For this example we will use \$1.00 bills. First have 100 bills available, press the [count 10] button the CLCD) will show "10 0 pcs". Press the [Count 10] button once more to have it set to ("20 0") and/or again to have it display ("50 0") and again ("100 0"). Place the requested amount of samples on the platform Count 100 bills and place them on the platform. Once the set indicator on the (LCD) comes back on, press the [count 10] again to let the scale know this is 100 etc. Once this process is done and the (LCD) shows '100 pcs' (depending on the size of your sample) press the [\$] money button five times to bring the inverted triangle to "Pro. 1 ". Press [ENTER] key once. This will transfer the value to "Pro. 1 ". The (LCD) will keep you updated on your progress. The larger the sample the better your future results. The scale automatically averages the bills and self calculates the right value. Bills fluctuate a lot in volume, for this reason, it is best to have a large sample of 100 to 200 bills. However, if you chose to dedicate the programmable settings to tokens the entire sample can be made up of 50 pieces because they are heavier and their weights do not fluctuate.

## **Count 10 / 20 / 50 / 100 / 200 / 500 / 1000 / 2000: [COUNT 10]**

As described above under the programmable settings section, the [count 10+] feature allows the user to get quick counts on items they do not routinely count. Unlike the programmable settings when the scale is turned off this. feature is reset to 0. The lighter the individual sample or the more variance it may have, we recommend using the 100 / 200 / 500 / 1000 / 2000 count modes. To reach the 100 / 200 / 500 / 1000 / 2000 count modes begin with the "LCD" displaying ("10 0"). Press the [Count 10] button once more to have it set to ("20 0") and/or again to have it display ("50 0"). Place the requested amount of samples on the platform then press [Count 10] again the LCD should read "10, 20, 50, 100, 200, 500, 1000, 2000 ". Next, just place the random items on the platform and the scale will display the amount in question.

## **Redemption tickets:**

AcuCount 102 is able to count individual tickets. Follow the above instructions for programming; place 2000 on the platform. Set this value into memory as described above. Once this is done your unit is now able to count redemption tickets. We recommend actually placing 1990 instead of 2000 to leave a small margin in the customer's favor.

## **Calibration: (Step by step instructions on the last page)**

Your application determines your need for calibration. If your need is to count currency, then calibration is useful to create a uniform reference point. (As an optional item AcuCount can supply you with a 5.Lb. weight.) Using \$101.00 in quarters can be used if needed for most applications Press the Place the 5 lb. weight or \$101.00 on the center of the platform. The scale should display "5.000 lb." if another value appears the scale should be calibrated. (This is important if you are counting bills or light items). If you are not, a minor inaccuracy will not effect your outcome. Once you have determined your need to calibrate, remove whatever is on the scale and turn the scale off [OFF]. Press [count '10] button and hold it, while turning the scale on [ON]. The display will begin its customary check and then display 'CAL" on the (LCD) and then change to "0'. At this point press the [-0-] button to make sure you are starting at '0'. Place the 5 lb.. weight or the \$101.00 in qrts. on the center of the platform. The display will show a large # "305694' this # is not important. However once the scale has a chance to settle on a # and/or fluctuates between 1 or 2 #s then press the [count 10] again. The display will quickly show [5 .0001b]. This confirms that the scale has accepted the current weight on the platform to be 5.000 lb. Repress the [count 10] again and again until the display reads "END". Press [OFF], take the weight off it is wise to check to see if the scale has taken the calibration. Test it to confirm by turning the scale on and waiting for the self test (10 sec.) and placing the 5.00 lb. Or the \$101.00 in qrts. on it, it should read "5.00 lb.'.

## **Weight: [WT]**

The scale is accurate up to 10.4 lb. and as little as 0.005 lb. By repeat pressing of [WT] the display will show "lb." for pounds, "oz" for ounces and "g" for grams. This can be used for UPS, mail, checking weights, etc.

## **Helpful Hints**

**Bills:** We recommend when counting bills that you do them in 50 or less units. This is due to their variances. 94% of the time the scale will be 100% accurate when counting 100 units, however as a precaution we recommend 50 unit or less for 99% to 100% accuracy.

**Pennies:** In 1980 penny weight changed. We have taken a statistical average to determine the closest accuracy possible. You may find that in counting large amounts of pennies AcuCount may differ from the actual amount by a couple of cents.

**Battery Recharging:** We recommend that you do not recharge the battery until the scale display flashes "batt". This will prolong the batteries life. if you use the battery often we recommend you purchase extra batteries to avoid an unexpected power failure. Battery's should be charged over night (8 to 10 hours). We have placed a standard "toy Car" connector on our counters. Radio Shack and other hobby stores should have a acceptable battery and charger for replacement. Our unit uses a 9.6 volt pack.

**Fuse may be blown:** if you plug in the wall adapter and the battery pack into the scale at the same time. Altitude: Calibration needs to be set to your local altitude. We set the unit to ours, this may be different then yours. We recommend you re-calibrate the unit to your local area.

**\*Coin values different then preset values:** Certain parts of the country have a different average weight for their coin follow the directions under "Optional" in the coin counting section and/or follow the steps below for *Programming Coins*.

**Optional:** *(Step by step instructions on the last page)* In certain parts of the country and Canada coins can weigh different depending on the Mint. We have a solution! If you determine that our preset values for coin are different then your area follow the steps described below under "Programmable Settings". Instead of using "Pro. 1 or Pro.2" you can place a custom value where "Qtr", "Dime", "Nik", and "Pen". are now located. The scale will still display the amount in question in monetary figures. We recommend for the sample at **least** 100 coins.

"0 0 0 0 0" come on the display after it is turned on: Counter needs to be calibrated.

**\*Summary: Programming Coins, Bills & Pc. locations. (: display shows)**

Before you begin, have at least 100 to average coins counted

1. Turn unit ON and wait 10 seconds. = 0.00
2. Press the COUNT 10 four times. = 100 0 pcs
3. Place 100 coins on the platform. = 100 - pcs
4. Press COUNT 10 = 100 pcs
5. Press \$ button 4 times, then press [ENTER] key = 25.00 (you just reprogrammed quarters)  
(If need be, repeat this process for other coins, bills or pieces)

**Summary:- Calibration.(= display shows)**

- 1: Turn the scale OFF.
  - 2: Hold down the COUNT 10 while turning the scale ON. = CAL 0 = 0  
2a: If = 0 is not on the display press the [0] key to begin at = 0
  - 3: Place the calibration weight on the scale. = 29660 = bouncing number.
  - 4: Press the COUNT 10 button. = 5.00 lbs. = 29660 = bouncing number.
  - 5: Press COUNT 10 again. = End
  - 6: Take the weight off of the scale.
  - 7: Turn the scale OFF then back ON.
- Done, this entire process takes under 40 seconds.

**Reset to factory settings:** Press the [WT] while turning it on. This will erase all custom programming done by the user. Brings the scale back to its original settings.

**Questions: 800-518-8395**