AccuBANKER®

User Guide

AB510

Retail Sort & Wrap Coin Counter

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Thank you for trusting *AccuBANKER* with your cash handling needs.

In order to optimize the performance of your equipment, we encourage you to thoroughly read this user guide prior to use.

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Safety Instructions

Warning

	Do not use this product in areas where it may be exposed to water or other liquids.
	Unplug this product from the electric outlet before cleaning. Do not use liquid or aerosol cleaners. To clean, use a damp cloth.
	To reduce the risk of electric shock, do not disassemble this product. Take it to qualified service personnel when service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the appliance is subsequently used.
	Only use the cable provided with the unit. The use of other cables may result in electric shock, fire, or cause serious damage to the unit.
	Do not operate the unit in areas with high temperature or high humidity since it may prevent it from working correctly.

Caution

When unplugging the power cord, do not pull it by the cord, but rather grip the plug to pull it out. Not following these instructions may result in electric shock, fire, or damage to the unit.

Do not use the unit if the power cord is damaged or if the plug socket contact is loose. Not following these instructions may result in electric shock, fire, or other hazards.

Do not place heavy objects over the cord and do not bend it excessively since it could get damaged. Not following these instructions may result in electric shock, fire, or other hazards.

When not using the unit for a long time, remove the power plug from the electric outlet.

Safety Instructions (cont.)

- Read and understand all of the safety instructions.
- Follow all warnings and instructions marked on the unit.
- This product is meant to be operated in an indoor environment with proper ventilation.
- Do not place near direct sunlight, heat sources, or air conditioners.
- This product should only be operated with the power cord supplied and the type of power source indicated in this user guide. If you are not sure of the type of power supply in your location, consult your vendor or local power company.
- To avoid the risk of fire or electric shock, never push objects into the unit through the case slots or openings, since they may touch dangerous voltage points or shortcut parts. Do not disassemble the unit.
- Never spill liquids of any kind on the product.
- Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    - When the power supply cord or plug is damaged or frayed*
    - If liquid has been spilled into the unit, or it has been exposed to rain or water*
    - If the product has been dropped or the case has been damaged*
    - If the product shows a noticeable change in performance

  *Not covered under warranty

NOTE: *Do not remove the "ground" prong from the power cord. It is a safety feature meant to protect the user from harm and the equipment from damage.*

If the unit does not operate normally while following the instructions, adjust only those controls covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.

1. Introduction

The AB510 is a Coin Counter unit that allows the user to Count / Sort / Roll coins.

This unit was designed with heavy-duty mechanical components to meet the requirements demanded by users who want to count high volumes of coins.

Core Four Features:
- Automatically counts, sorts, and wraps mixed denomination coins with 5 sorting trays & wrapping tubes
- Includes plastic coin tubes for each denomination to facilitate wrapping
- Counting and sorting speeds of up to 350 coins per minute
- Hopper Capacity of up to 3,000 coins based on dimes

2. Box Contents

When opening the box, verify that all the items described below are included.

1. AB510 coin counter unit
2. Coin roll tubes
3. Coin drawers
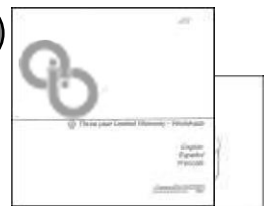4. 3 Year Warranty booklet
5. User Guide

3. Part Description

Main Parts and Components

1. Hopper
2. Display / Control panel
3. Tray

4. Gripping compartment
5. Service window
6. Power cord
7. Power switch

4. Control Panel Description

"-" key
At the SET mode, short press this key, the number decreases by 1 unit.
At the SET mode, long press this key, the number decreases continuously 1 unit.
At the counting mode, press this key to choose down the counting result which needs to clear.

"+" key
At the SET mode, short press this key, the number increases by 1 unit.
At the SET mode, long press this key, the number increases continuously 1 unit.
At the counting mode, press this key to choose up the counting result which needs to clear.

"BAT/MODE" key
Long press this key to choose the batching mode between "TRAY" and "ROLL"
Short press this key, the batch number increases by 10 units and 20 units.
When it is in SET mode, long press this key, and the batch number increases continuously in steps of 10 units and 20 units.

"SET" key
Press this key to enter SET mode.
Continue to press this key to scroll through options.

4. Control Panel Description (cont.)

"PRINT" key
Long press this key to print a receipt with the counting details.

"CLEAR" key
Short press this key to remove the individual set value.
Short press this key to remove the individual counting result (clear the flashing individual result after pressing the key "+" or "-")
Long press this key to remove all the set or all the counting results.

"START/STOP" key
Used to start counting or stop counting.

Batching example
The unit is set up by default with the maximum quantity of coins for every denomination per tray and roll (quantities may vary depending on the currency programmed).

<p style="text-align:center"><u>LCD Display</u></p>

<u>Mode</u>	⟶	**TRAY**			
		0.01		300 ⟵	**Batch Quantity**
<u>Currency</u>	⟶ **USD**	0.05		400	
		0.10	**BAT**	400	
		0.25		300	
		1.00		100	

1. Press **BAT/MODE** to select the sorting mode.
2. Press **SET** to enter the batch menu; press **SET** again to select the desired denomination to modify.
3. Press **CLEAR** to clear the batch value.
4. Press **BAT/MODE** to increase the batch value by 10 and 20 units.
5. Pressing **+** and **-** increases and decreases the batch value by 1 unit.
6. Press **START/STOP** to confirm the batch selection.

5. Operation

5.1 Coin Sorting

The AB510 can be used for counting, sorting, and rolling large volumes of coins with multiple and mixed denominations using two basic counting modes.

1. Connect the unit to a power outlet and turn on the unit.

2. Select the counting mode, "TRAY" or "ROLL". The mode "TRAY" is used when the user needs to count or sort by denomination while the mode "ROLL" is used when the user needs to roll coins by denomination.

3. If the user prefers to count in the mode "TRAY", the user should use the coin drawers to collect coins per denomination.

4. Deposit all the coins in the Coin Hopper and press "START" to begin coin counting.

5. When the coin drawer reaches maximum capacity, the unit will automatically stop, and the user should empty each drawer and press START to continue with the counting.

5. Operation (cont.)

5.2 Coin Rolling

This unit allows the user to roll coins with the push of a button.

Using the coin roll tube accessories and the paper coin rolls, the user can package coins by denomination.

1. Place the coins inside the Coin Hopper.

2. Select each roll tube and paper coin roll for each denomination.

3. Insert the paper coin rolls inside the coin roll tube and place them within the correct denomination section.

4. Press "START/STOP" to begin coin rolling. The machine will automatically stop once it has filled each paper coin roll.

5. Remove the coin roll once it has been filled and position the next paper coin roll, then press START to continue.

NOTE: Make sure not to change the rolls factory settings as it can create problems during the rolling process: P- 50 / N-40 / D-50 / Q-40 / $-25

6. Jamming

Facing a jamming event

To ensure that the equipment operates with optimal performance as well as to prevent jamming, avoid the following:

- Counting bent or damaged coins or tokens
- Counting any type of foreign object like clips, staples, paper, nylon, rubber bands, etc.

If any jamming occurs, the machine will stop counting and the turning plate will move in the opposite direction to remove the jammed object by itself.

In case the unit is unable to remove the object itself:

1. Please turn the power switch OFF and make sure that the unit is disconnected from the power outlet.
2. Proceed to open the service window located on the back of the unit to gain access to the coins plate.
3. Inspect the coins plate and remove the obstruction.
4. Return the service window to its original position.
5. Connect the unit back to the power outlet and turn the power switch ON.
6. Confirm that the unit is now working properly.
7. If the issue persists, contact our technical support agent for further assistance.

7. Daily Maintenance

To ensure effective and error-free operation, as well as to extend the life of the unit, it is recommended to perform the following on a daily basis:

1. Turn the power switch OFF when the last count has been completed.

2. Clean the Hopper coin plate and the coin track (use a brush and an air duster to do so).

3. If you realize the unit is not performing as usual, or you are experiencing technical problems, please contact your local dealer for technical support.

8. Error Code Messages

ERROR	CAUSE	SOLUTION
E1-E8	Counting sensor error	Counting sensor is dusty or damaged, contact support
E9	Detecting sensor error or machine has a coin jam	Remove the jammed coin, contact support
E10	Motor detecting sensor error	Code sensor or motor damaged, contact support

9. Specifications

Temperature	32° - 104°F (0° - 40°C)
Humidity	25% - 80%
Display	LCD
Sorting Type	Automatic
Available Currency	USD
Counting Speed (based on dimes)	350 coins/minute
Hopper Capacity (based on dimes)	3,000 coins
Coin Drawer Capacity (based on dimes)	450 coins
Power Source (INPUT)	110 VAC / 60 Hz (Contact Us for 220 VAC / 50 Hz)
Power Consumption	45 Watts Max.
Accepted Coin Diameter	17 - 31 mm 0.67 - 1.22 in
Accepted Coin Thickness	1.35 - 2.15 mm 0.053 - 0.085 in
Printer Compatibility	MP20 Printer Compatible Sold Separately
Thermal Printer Paper Dimensions	Dimension: 2.25" x 125' Max. Core Diameter: 0.5"
Product Dimensions (L x W x H)	14.17 x 13.39 x 11.1 in (36 x 34 x 28 cm)
Product Weight	9.3 lb (4.22 kg)

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