Manuals+ — User Manuals Simplified.

Ribao CS-211S High-Speed Coin Counter User Manual

Contents

Ribao CS-211S High-Speed Coin Counter

Introduction

CS-211S is a coin sorter designed and produced by our company. It has a counterfeit coin detection function. With the installed advanced eddy current sensor, it can simultaneously detect the metal coins' diameter, thickness and material, based on this feature, our CS-211S can automatically recognize foreign coins, counterfeit coins sheet metals etc. CS-211S can count and sort coins of programmed denominations, during which the foreign coins will be sorted into Rejected Coin Drawer. Our CS-211S can be connected to a printer, external display, or computer through RS-232 port. All data can be printed out at any time.

Specifications

- **Sorting Speed:** Approx. 600 coins/min
- **Hopper Capacity:** Approx. 600 pcs
- **Suitable Sorting Coin Range:**
  - **Diameter:** 14-31mm
  - **Thickness:** 4mm
- **Sorting Number:** Up to 20 kinds of denomination
- **Machine Dimension:** 365 × 280 × 294 mm
- **Weight:** 13 Kg
- **Power Consumption:** 60W
- **Power Supply:**
  - AC 120V ± 10%, 60Hz
  - AC 220V ± 10%, 50Hz
- **Display:** LCD Display (240×64)
- **Ambient Temperature:** 0-40°C

- **Humidity:** 30-75%

Function

CS-211S is able to identify, count and sort the coins, it can identify at most 20 kinds of denominations, also it has one reject pocket for fake and foreign coins. From left to right it is

channel1	reject pocket

The user can sort the desired denomination into the desired pocket. Foreign coins, fake coins and tokens will be sorted into reject pocket

Key Panel

Key Function:

1. **0 ~ 9 :** Numeric key for fast batch number settings
2. **STOP/START:** Start or Stop
3. **SET:** Set Menu or set some functions
4. **ESC:** Return to Manu or clear rejected coin records
5. **CLR:** Clear counting records or clear error codes ◁, △, ▽, ▷: Select different Channels, or select different Menu Setting; can also control Batch function ON/OFF can also shift MIX-COUNT or SDC- COUNT.
6. **MR:** Read memory data
7. **M+:** Save Self-learning parameters
8. **LIST:** Check detailed counting list
9. **Print:** Print sorting result and Self-learning parameters

Main Display Modes

1. Total Amount & Quantity Display Mode:
    - MIX- COUNT STOP
    - **VALUE:** 125.90
    - **COUNT:** 190
    - **B F**: 2
2. Separate Channel Amount & Quantity Display Mode:

```
MIX- COUNT          STOP
                VALUE:       125.90
                COUNT:          190
B                           F:        2
        VALUE       COUNT      ACCOUT
        2.00          50        100.00
        0.50          50         25.00
        0.01          90          0.90
```

Operating Procedures

- Plug the machine and turn on the power switch, it enters into self-test interface, shown as following picture.
- This self-test stage may needs about 10 seconds for machine to get warmed up. If the test result is OK, then machine will enter into normal working status shown as following interface:


```
MODEL  :  CS211S
VERSION:  MainBoard  V1.0
          DispBoard  V1.0
          ADBoard    V1.0

   TESTING,PLEASE WAIT...    10

MIX- COUNT        STOP
          VALUE:       0.00
          COUNT:          0
B                      F:        0
```

- MIX-COUNT means mix-counting mode
- RUN/STOP is the sign showing machine's running or stop status.
- B is the sign of Batch Function is ON.
- VALUE is for total Amount. COUNT is for total Quantity, F shows the quantity of foreign/fake coins.
- Press START/STOP key the machine will enter into Total Amount & At the same time, Motor will begin to run to get the machine work.
- When coin sorting is finished, it will display the sorting result of genuine and foreign coins on the above interface. The foreign coins will be rejected into the right-most Rejected Coin Drawer.
- After the machine stops running, press LIST key to check Separate Channel Amount & Quantity Display Mode, shown as follows: (Press ⬆, ⬇ key to turn to choose different channel) The left side group data shows coin denomination; the middle group data shows counted Qty for each denomination coin; the right side group data shows total counted amount for each denomination coin.

Modes shift:

Under main interface, press ◁ Key to shift the modes, which is MIX-COUNT, SDC- COUNT, accordingly. The display is shown as below:

- Under MIX-COUNT mode, all the genuine coins will go to channel 1 pocket, foreign coins will go to reject pocket; Under SDC mode,press Key to choose the denomination you want to sort. Take Euro coins for example, you can choose 2.00, 0.50, 1.00, 0.20, 0.05, 0.10, 0.02 and 0.01. Based on the denomination you choose, the same denomination will go to channel1 pocket, other coins will go to reject pocket .

MIX-COUNT   RUN
VALUE: 0.00
COUNT: 0
B   F: 0

VALUE	COUNT	ACCOUT
2.00	50	100.00
0.50	50	25.00
0.01	90	0.90

SDC-COUNT   STOP
2.00   VALUE: 0.00
COUNT: 0
B   F: 0

Data Clear:

- Under main modes interface, press CLR key to clear all counted data.
- Under main modes interface, press ESC key to clear rejected coin record.

Data Memory:

- Under main modes interface, press M+ key to save all counted data(excluding rejected coin Qty);
- Under self-learning mode, press M+ key to save coin parameters. (This function is only available for service engineer.)

Data Memory Read:

- Under main modes interface, press MR key to read stored data;
- Under self-learning mode, press MR key to initialize the system into default settings.

Function Settings

Press SET key to enter into Menu interface, shown as follows:

Directly press ⬅, ⬆, ⬇, ➡ four keys to choose target submenu and then press SET key to enter each into detailed operationinterface:

BATCH

After entering into this interface, the Channel No. will blink, this means you can select target channel by pressing or key, thechannel number will be increased or decreased by 1. Once target channel selection is done, press SET key to make the channel number locked. At this time, it will enter into Batch No. setting status with the Batch number changed into white color. You could press 0~9 numeric key to set desired batch number. Pressing CLR key will clear the Batchnumber.

Notes: Before entering into this interface to do Batch No. setting, you need to make sure firstly Batch function is ON by checking if there is a B sign on the left bottom corner. You can control this batch function is ON/OFF by pressing key under main operation menu. When one channel Batch No. setting is finished, you can come back to channel number selection interface by pressing SET key and then repeat the above number setting way to set batch number for other target channels. After all settings are finished, press ESC key to quit from BATCH submenu to come back into main menu interface.

When the machine reaches set Batch number, the LCD display will show as follows:

For example, set batch number as 10 for Denomination 2.00 coin. When the machine counted 10th coin, the machine will stop running with blinking warning message" 2.00 BATCH OK". After you take out the coins, please press CLR key to clear the warning message.

- **VALUE**

  After entering into this interface, the Channel No. will blink, this means you can select target channel by pressing or key, the channel number will be increased or decreased. Once target channel selection is done, press SET key to make the channel number locked. At this time, it will enter into value number setting status with the value number changed to be white color. You can press 0~9 numeric key to set value. Press CLR key to clear the Batch number. When one channel Value No. setting is finished, you can come back to channel number selection interface by pressing SET key and then repeat the above number setting way to set value number for other target channels. After all settings are finished, press ESC key to quit from VALUE submenu to come back into main menu interface.

- **SYSTEM**

  Firstly, it will enter into SYSTEM SET submenu, press or key to make the cursor up and down. And then press SET key to enter different setting interface.

- **TIME**

  Under this interface, if you need to update date and time, please firstly press SET key to make the cursor blinking and then by press key to make the cursor moving. Directly press 0~9 numeric key to set your desired date and time. Press CLR key to clear data. After all settings are finished, press ESC key to return to main menu interface.

- **BUZZER**

  Under this interface, please press ⬆️, ⬇️ key to turn ON/OFF this function. After setting, press ESC key to return to main menu interface.

- **POINT**

  Under this interface, please press ⬆️, ⬇️ key to turn ON/OFF this function. After setting, press ESC key to return to main menu interface.

- **PRINT**

  Under this interface, please press ⬆️, ⬇️ key to choose PRINT 0 or set BAUD rate. Press SET key to choose either one, and then press or key to turn ON/OFF the function. After setting, press ESC key to return to main menu interface.

- **MAGNET**

  Under this interface, please press ⬆️, ⬇️ key to choose MAGNET 1,2, or 3, and then press SET key to set solenoid activation time(suggested range is 3~9ms). By press or key, the time will be increased or decreased. After setting, press ESC key to return to main menu interface.

BUZZER: ON	>PRINT0: ON BAUD : 9600
POINT: ON	>MAGNET1: 4 ms MAGNET2: 5 ms MAGNET3: 6 ms
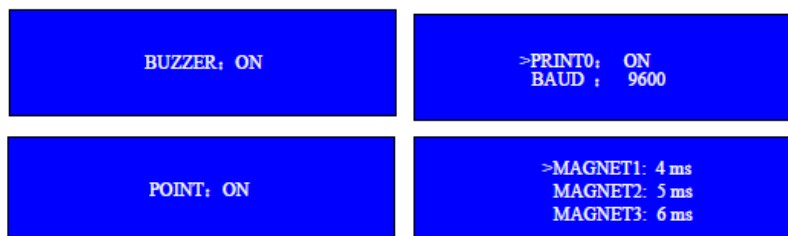
- **TOTAL**

  This interface shows a memory record of all counted coin quantity. You can press ESC key to quit from this TOTAL submenu to come back into main menu interface.

TATAL: 0000017331
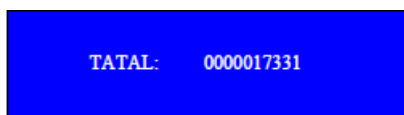
- **TEST**

  This submenu is for production adjustments purpose only. It is not available for users.

- **LEARN**

  This submenu is for coin self-learning parameter tests and adjustments. It is not available for users.

TroubleShooting

During self-testing or machine working status, sometimes the LCD screen may display following error code:

ERROR: ADJUST CHECK THE SENSOR 0
ERROR: 01 CHECK THE SENSOR 1
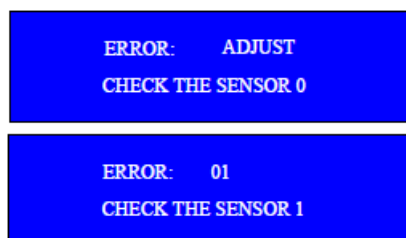
- **ERROR ADJUST**

  When it displays such error message, it means the alloy sensor signal is abnormal, which caused self-test problem, please contact local supplier for help.

- **ERROR 01**

  When it displays such error message, it means there is foreign thing covers the alloy sensor IR pipe. Please check and clean this part, including all connecting wires check. After solving this problem, press CLR key to come back into main display modes interface.

Notes: If there are any foreign things get jammed on the rail, the dropped coins may not be counted, which will cause counting mistake. Therefore, please clean all coins by moving foreign things before sorting.

Precautions

- Use the power cord and communication cable supplied with this machine.
- Unplug the power cord before moving the machine.
- Avoid operation under direct sunlight.
- Do not put your head, hands, tools and clothes into the hopper to avoid personal injury or malfunction of the mac hine.
- Don't open the Visible Cover during operation.

Daily Maintenance

- Be sure to unplug the power cord before daily maintenance.
- Clean the coin rail at least once a day with a brush.
- Clean the disc and hopper at least once a day with a brush.
- If the machine needs maintenance or spare parts, please contact the local supplier.

Accessories

1. Power Cable 1pc
2. Nylon Brush 1pc
3. Coin Moving Spoon 1pc
4. Turn brush 1pc

FREQUENTLY ASKED QUESTIONS

What is the Ribao CS-211S High-Speed Coin Counter?

The Ribao CS-211S is a high-speed coin counter designed for efficiently counting and sorting coins in various denominations. It is commonly used in financial institutions, retail businesses, and other environments where precise coin counting is essential.

How does the Ribao CS-211S Coin Counter work?

The Ribao CS-211S utilizes advanced technology, including sensors and sorting mechanisms, to quickly and accurately count coins. It is equipped with features that allow it to efficiently process and organize coins by denomination during the counting process.

What types of coins can the Ribao CS-211S count?

The Ribao CS-211S is designed to count various types of coins, including different denominations and currencies. It offers flexibility to handle a wide range of coin sizes, making it suitable for users with diverse counting needs.

Is the Ribao CS-211S suitable for high-volume coin counting?

Yes, the Ribao CS-211S is specifically designed for high-volume coin counting. Its high-speed capabilities make it efficient for processing large quantities of coins quickly, catering to businesses dealing with substantial coin volumes.

What is the counting speed of the Ribao CS-211S Coin Counter?

The counting speed of the Ribao CS-211S may vary, but it is typically designed to count coins at a high rate per minute (CPM). Users can refer to the product specifications for precise details on the counting speed.

Can the Ribao CS-211S sort coins by denomination?

Yes, the Ribao CS-211S is equipped with advanced sorting capabilities, allowing it to organize coins by denomination during the counting process. This feature enhances efficiency and eliminates the need for manual sorting after counting.

Is the Ribao CS-211S easy to operate?

Yes, the Ribao CS-211S is typically designed with user-friendly features, ensuring ease of operation. It often includes an intuitive interface and straightforward controls, making it accessible for users with varying levels of experience.

What is the hopper capacity of the Ribao CS-211S?

The hopper capacity of the Ribao CS-211S may vary, determining the number of coins that can be loaded into the machine for processing. Users should refer to the product specifications for information on the hopper capacity.

Can the Ribao CS-211S detect counterfeit coins?

The primary focus of the Ribao CS-211S is accurate counting and sorting, and it may not include built-in features for counterfeit detection. Users seeking counterfeit detection capabilities may need to explore dedicated counterfeit detection machines in addition to the coin counter.

Is maintenance required for the Ribao CS-211S Coin Counter?

While specific maintenance requirements may vary, the Ribao CS-211S is generally designed for durability and reliability. Regular cleaning and adherence to maintenance guidelines provided in the user manual can contribute to optimal performance.

Can the Ribao CS-211S be used for international currencies?

The Ribao CS-211S can often be configured to handle various currencies, including international ones. Users should check the product specifications and consult with the manufacturer or distributor to ensure compatibility with specific coin types and denominations.

What safety features does the Ribao CS-211S include?

The Ribao CS-211S may include safety features such as automatic stop mechanisms to prevent jams, user authentication, and secure access controls. These features contribute to the safe operation of the coin counter.

Is technical support available for the Ribao CS-211S?

Many manufacturers offer technical support and customer assistance for the Ribao CS-211S to address setup, usage, and troubleshooting questions. Users can reach out to the manufacturer's support channels for assistance.

Can the Ribao CS-211S be used for coin packaging?

The primary function of the Ribao CS-211S is coin counting and sorting. While it may not have built-in features for packaging, the accurately counted and sorted coins can be easily transferred to packaging containers or other storage solutions.

Is the Ribao CS-211S suitable for use in banks?

Yes, the Ribao CS-211S is often suitable for use in banks, providing efficient coin counting capabilities. Its high-speed and accurate counting features make it valuable for financial institutions dealing with large volumes of coins.

Can the Ribao CS-211S be used in retail environments?

Yes, the Ribao CS-211S is suitable for use in retail environments where coin handling and counting are integral to daily operations. Its efficiency in counting and sorting coins can enhance productivity in retail settings.

DOWNLOAD THE PDF LINK: Ribao CS-211S High-Speed Coin Counter User Manual

References

- **User Manual**