



BANK NOTE COUNTER KF-2040

FEATURES

- Applicable banknotes :
- *.Applicable banknote: US Dollar, Euro Dollar, HK Dollar, Japanese yens and etc.
- Features :
- *. Manual/Auto Function mode, Batch function, Addition Function
- *. Conterfeit Detecting: UN, Magnetic
- *. Double-note detection, chained-note detection, half-note detection
- *. Length of hopper: is 180mm
- *. External Display
- *. Noise: «60dB
- *. Temperature: 0?-40?
- *. Ambipolar UV tube, use time is 20000 hours, is 20 times of common *. CE approved

SPECIFICATIONS

- *. Power source: AC 220V $\pm$ 10% 50Hz, AC 110V $\pm$ 10% 50Hz
- *. Power consumption: 60w
- *. Feed System: Roller friction system
- *. Hopper Capacity: Up to 200 notes
- *. Stacker Capacity: Up to 200 notes
- *. Counting speed: 1000pcs/min
- *. Banknote Dimension: Length 110-175mm, Width: 50-100mm, Thickness 0.075-0.15mm

1. PERFORMANCE

1.1 FUNCTION

Auto start and stop	Add-up	Spectrum verification
Fluoroscopy Verification	Digital Verification	Preset
Safety line verification	Infrared Verification	Sandwiched banknote Identification
Broken note Identification	Auto Delete	Size Identification
Sorting	Magnetism Verification	Mixed sex allowed for counting

1.2 TECHNICAL DATA

Ambient Temperature:	0-40
Relative Humidity:	40-90%
Noise:	<60dB (A)
Banknotes Transmission System:	Roller
Counting Speed:	>1000pcs/min
Power Consumption:	<80w
Display Screen:	LCD
Net Weight:	7.5kg
Acceptable banknote size:	115*50mm-180*80
Acceptable banknote thickness:	0,075-015mm
Power supply:	AC220V/50Hz
Hopper Capacity:	100pcs for used banknote. 200pcs for new
Verification Accuracy by Fluoroscopy:	100% (For counterfeit banknote with Fluorescent reaction)
Verification Accuracy by Magnetism:	100% (For Counterfeit banknote with non-magnetic ink)
Verification Accuracy by Digital note:	>85% (For counterfeit banknote without Fluorescent reaction but with magnetic ink)

2. PERFORMANCE

2.1 PARTNAME



2.2 DISPLAY ILLUSTRATION

2.2.1 FULL INTELLIGENT MODEL

WORKING MODE FOR CORRESPONDING BANKNOTE

Intelligence:	For the 4th set of RMB banknote at par value of 100,0,20,10 and 5 yuan
Par Value:	For adding up the amount of banknotes the 5th sets of RMB at 100,50,20,10 and 5 yuan
Sort	For sorting the 4th and 5th sets of RMB banknote at par value of 100,50,20,5 yuan
Count	For counting the 4th and 5th sets of RMB banknotes that without fluoroscopy reaction
Add-up	For adding up at any mode
Fake	Alarming in case of detecting out the fake
INPE	Counting banknotes of any countries in an intelligence mode
USD	For counting US dollars
EUR	For counting US dollars
SUR	For counting Rouble
INR	For counting banknotes of any countries
TWD	For counting Rouble

DISPLAY ILLUSTRATION:



3. OPERATION INSTRUCTIONS

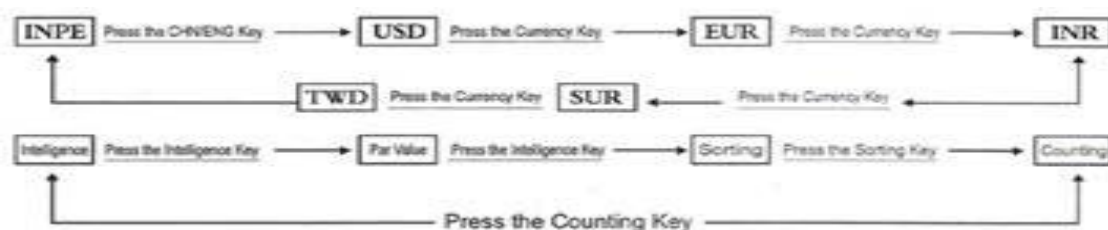
3.1 SELF-DIAGNOSIS ILLUSTRATION

COMPARISON OF UV SENSITIVITY OF BANKNOTE OF DIFFRENT COUNTRIES

Error code in Counting Display	Trouble Cause	Button	Code in Display
CE1	Fluorescent sensor abnormal	0	Y-0
CE2	Photo-Couple sensor for Number disc Abnormal	1	Y-1
CE3	Sensor for Left counting Tube-abnormal	2	Y-2
CE4	Sensor for Right counting Tube-abnormal	3	Y-3
CE5	Hopper Sensor Abnormal	4	Y-4
CE6	Circuit for small magnetic head abnormal	5	Y-5
CE7	Circuit for large magnetic head abnormal	6	Y-6
CE8	Stacker sensor abnormal	7	Y-7
		8	Y-8
		9	Y-9

3.2 WORKING MODE SELECTION

PRESS FUNCTION TO SELECT THE CORRESPONDING WORKING MODE CIRCULARLY AS BELOW



3.3 INTELLIGENCE MODE

After switching on, the counters enter the switching mode automatically, and the indicator of the intelligence is on, the count now works on count and verify the banknotes.

While counting banknote at par value of 100,50,20 and 10 yuan , the counter starts verifying functions of fluoroscopy, magnetism, infrared ray ,spectrum and digital analysis. Besides, it can sort banknotes according to the different par values ,it may alarm while detecting the problem banknotes at other par value.

3.4 PAR VALUE MODE

Press the par value key and its indicator is on. While counting at this mode, the counter can add up banknote of different par values. Its suitable for both old and new banknotes at sets of 100,50,20,10,and 5yuan.and the counter starts verifying functions of fluoroscopy, infrared ray, spectrum and digital analysis. It works to add up the amount no matter which par value the banknote is. For your personal safety, please be sure to keep the counter well ground in use.

*See the below illustration



*See the below illustration



3.5 SORT MODE

Press the SORT key and its indicator is on. While counting at this mode, the counter can sort banknote of different par values, or different sets. Meanwhile it works to verify the fake banknotes and alarming while detecting the problem banknote at other par value.

*See the below illustration



3.6 COUNT MODE

Press the counter key and its indicator is on. At this mode, the counter only works to count banknotes with fluoroscopy function.

*See the below illustration



3.7 ADD UP MODE

Press the Add-up key and its indicator is on. While counting at this mode, the counter can count both old and new sets of banknotes while with verification functions of fluoroscopy, infrared ray, spectrum and digital analysis. Besides, the functions to show the total pieces and amount of the banknotes after counting and adding up.

*See the below illustration



3.8 PRESET MODE

Press the Preset key and its indicator is on. The display will show 100 that means the counter will stop automatically after counting 100pieces of banknote. Press the numeric button to set the number as required.

*See the below illustration



3.9 AUTO DELETE / AUTO ADD - UP

After counting and take away of the banknotes on the stacker, the counter can automatically delete the last counting report in red display screen before counting again. But the last counting report will be memorized in green digit. After counting, the counter works to count and add up the sum continuously if the banknote on the stacker is not taken away.

4.0 DETECTING THE COUNTERFEIT BANKNOTE

The counter can automatically stop while finding the fake, with the beeper keeping warm and alarm signal flashing ; or the indicator of any working mode may keeping flashing and the counting display shows the code for the fake detecting away. The fake one is the first one on the top of stacker. Take away and press any button to keep counting continuously. However. the counting result is the sum including the fake one.

*See the below illustration:



4.1INPE MODE

Press the CHN/ENG key and its indicator are on, while counting at this mode. The counter works to count banknote with different countries with verification functions of fluoroscopy, infrared ray, Spectrum and digital analysis. It will start alarming while detecting the fake one.

*See the below illustration



4.2 USD MODE

Press the currency key and indicator USD is on. While counting at this mode, the counter works to count US dollars with verification functions of fluoroscopy, infrared ray, Spectrum and digital analysis. It will start alarming while detecting the fake one.

*See the below illustration



4.3 EURO MODE

Press the currency key and indicator EURO is on. While counting at this mode, the counter works to count EURO with verification functions of fluoroscopy, infrared ray, Spectrum and digital analysis. It will start alarming while detecting the fake one.

*See the below illustration



4.4 SUR MODE

Press the currency key and indicator SUR is on. While counting at this mode, the counter works to count ROUBLE with verification functions of fluoroscopy, infrared ray, Spectrum and digital analysis. It will start alarming while detecting the fake one.

*See the below illustration



4.5 INR MODE

Press the currency key and indicator INR is on. While counting at this mode, the counter works to count Rupee with different countries with verifying functions of fluoroscopy, infrared ray, Spectrum and digital analysis. It will start alarming while detecting the fake one.

*See the below illustration



4.6 TWD MODE

Press the currency key and indicator TWD is on. While counting at this mode, the counter works to count Taiwan dollar with different countries with verifying functions of fluoroscopy, infrared ray, spectrum and digital analysis. It will start alarming while detecting the fake one.

*See the below illustration



4.7 COUNTING ERROR ILLUSTRATION

Error code in display:	Cause
EE1	The fake with fluorescent reaction
EE2	The fake without magnetism
EE3	The fake with infrared action
EE4	Half-Piece
EE5	Sandwiched piece
EE6	The fake with abnormal magnetic reaction
EE7	Vacancy
EE8	Size

4.8 THE PROPER WAY TO FEED THE BANKNOTE

The proper way to feed the banknote



The improper way to feed the banknote



4.9 TROUBLE AND TROUBLE SHOOTING

Please check the following problems by yourself before asking for repair services

Not working	Check if the plug is well inserted into socket. 	Check if the power fails or fuse burn out.
	Feeding Sensor covered in dust? Clean 	Feeding sensor not in connection with electric circuit? Check and connect.
Fail to start or stop normally		Transmission belt of the motor not proper in tension, too tight or loose. Adjust well.

Counting Error	Hopper position adjusted improperly? Adjust well	Counting sensor covered in dust? Clean	Drag rubber and feeding wheel worn too much? Change
	Fluorescent sensitivity adjusted improperly? Adjust well	Verifying sensor covered in dust? Clean	Fluorescent lighting diode aged? Change

Attention:

The counter of common type or intelligence (semi-intelligence) type is not suitable for detecting the banknote that's formed by artificially making-up; and only the counter of full-intelligence type works to check. Please choose the proper counter for you before purchase.