

**MONEY**

**DETECTOR**



**Operation Manual**

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**Note: For detection of USD, it is specified to the version after 1988.**

## 1. Brief introduction.

Mainly employing IR <infrared ray> analysis and MG <magnetic> analysis and spectrum analysis.  
.This unit are capable of detecting EURO, USD <U.S. Dollar after 1988 version>, also can be designed and programmed to detect HK Dollar, Japanese Yen and any other currencies.

Please get necessary information from this user's guide to operate this machine correctly.

### **Please conform the box contain all of the items listed here:**

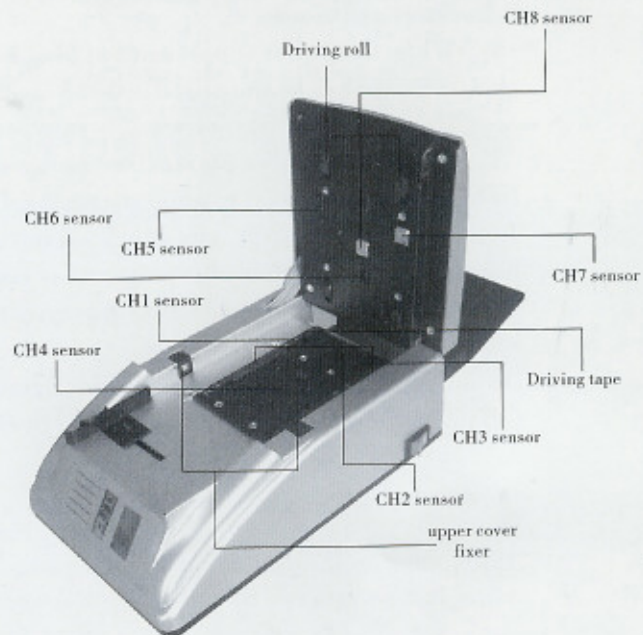
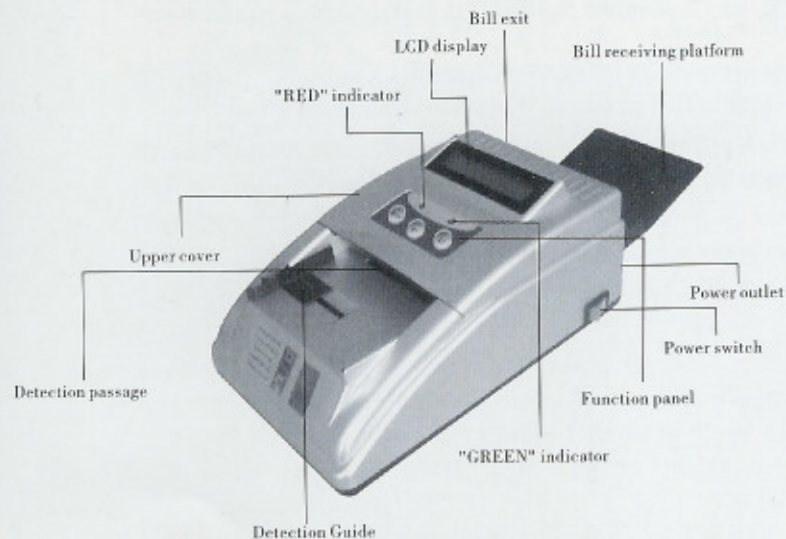
The machine body, AC/DC 12V adaptor, brush, warranty card, operation manual, bill receiving platform.

## 2. Safety instructions

- Read and understand all of the instructions .
- Follow up all warnings and instructions marked on the unit.
- This unit should be operated only from the type of the power source indicated in the user's guide.  
If you are not sure of the type of power supply in your location, consult your dealer or local power company.
- Only use the AC/DC adapter provided with the unit. The use of other AC/DC adapters may result in electric shock, fire or cause serious damage to the unit.
- Never push objects of any kind into the unit through detection passage, since they may touch dangerous voltage points or shortcut parts, resulting in a risk of fire electric shock.

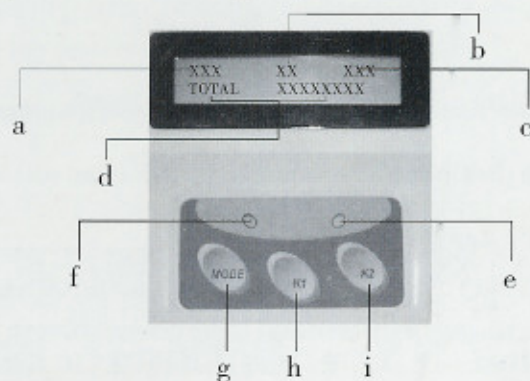
- Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - a. When the power supply cord or plug is damaged or frayed.
  - b. If liquid has been spilled into the unit.
  - c. If the unit has been exposed to rain or water.
  - d. If the unit shows a noticeable change in performance.
- Do not use this product in areas where it may be exposed to water or other liquids.
- 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.
- Do not use the unit if the power cord is damaged or if the adaptor socket contact is loose. Not following those instructions may result in electric shock , fire or other hazards.

### 3. Illustration





#### 4. Interpretation of LCD display and function buttons.



- a. currency which has been chosen.
- b. face value of the last detected bill.
- c. quantity of all detected bills.
- d. amount of all detected bills.
- e. green indicator: indicate the bill detected is true.
- f. red indicator: indicate the bill detected is false or not correctly inserted.
- g. "MODE" button: employed to choose the currency to be detected.
- h. "K1" button: employed to clear the proceeding result or set the "FORWARD" or "BACKWARD" detecting mode.
- i. "K2" button: employed to enquire detection result.

## 5. Operation

### Before detection

- Connect the supplied 100-240V adapter to the unit, Once firmly secured, plug the adapter to a power outlet.
- Proceed to turn on the unit by pressing the ON/OFF switch. The LCD display will show the following words.

Henry M&E Co. Ltd  
200X-XX-XX XX.X

Meanwhile the green light is flashing.

- After around 5 seconds, the green light will stop flashing and the LCD display will show the following words:

XXX 000  
TOTAL 00000000

which means the machine is under stand-by condition.

### Detection

- After the preparation done, choose the currency you are using to detect, , Euro, USD, HKD or any other currency, by pressing "MODE" button.

--Choose the detection mode "FORWARD" or "BACKWARD".

FORWARD means the detected real bill will be rested on the receiving platform

BACKWARD means the detected real bill will be withdrawn.

--Adjust the detection guide to its best position for a specified currency to pass and be detected.

For USD: adjust the detection guide and make the passage just can accommodate the USD to pass <see figure1>, then insert the USD into the detection passage <make sure the bill is FACE UP, HEAD RIGHT> <see figure2>

For Euro: adjust the detection guide and make the passage just can accommodate the Euro to pass <see figure3>, then insert the Euro into the detection passage <make sure the bill is FACE DOWN and the top of the words near the right side of the machine when the machine facing you> <see figure4>

--After inserting of the bill, the machine will draw the bill and detect it.

Under "FORWARD" detection mode: the machine will let the bill pass through and rest it on the receiving platform, while the green indicator will keep flashing, if the detected bill is a real one. If the machine detects a counterfeit bill, it will emit a beeping sound and withdraw the bill, while the red indicator will keep flashing and the LCD display will show relevant error message .



figure1



figure2



Under "BACKWARD" detection mode: the machine will withdraw the bill and the green indicator will keep flashing if the detected bill is a real one. If the machine detects a counterfeit bill, it will emit a beeping sound, while the red indicator will keep flashing and the LCD display will show relevant error message .

--If you want to know the detailed detection result, use "K2" button to enquire, the LCD display will show the following information:

BILL VALUE XXX

NUMBER IS XXX

"BILL VALUE XXX" indicates the face value of the detected bill.

"NUMBER IS XXX" indicates the quantity of the detected bills.

Every time the "K2" button is pressed, the display will show the information of definite face value bill.

--Finally, after one batch of bills have been done, press "K1" button to clear the memory of detection. The LCD display will show the following message:

CLEAR ALL

Then the message shifts to:

XXX 000

TOTAL 00000000

Which indicates the last detection has already been cleared.

## 6.Error message and its causes



figure3



figure4

<b>Error message displayed</b>	<b>Main causes</b>
ERROR BILL LENGTH	Detected bill is longer or shorter than the real bill has been detected, or dust on the CH4 IR sensor, or dust on the speed sensor.
ERROR OVERLAP	Dust on the CH4 IR sensor or dirty bill has been detected.
ERROR NOT RECOGNIZE	Dirt on the surface of the bill or incorrect insertion of bill.
ERROR WIDTH	Dust on the CH5 sensor or incorrect insertion of bill.
ERROR NO MAGNETCM 8/7	There may be heavy impairment in the center of the bill where it contains MG ink.
ERROR MATERIAL	Incorrect insertion of bill, dirt on the surface of bill or there is impairment in the bill.
ERROR CH X-X	Incorrect insertion of bill, or dust on the relevant sensor.

**Note: most of the errors are due to wrong insertion, dust on the relevant sensor. so correct indertion and cleanness of dust on the machine periodically are highly recommended.**

## 7. Maintenance

- Do not operate the unit in areas with high temperature or high humidity since it may cause the machine refuse to work.
- When not using the unit for a long period of time, remove the power plug from the wall outlet.
- Do not operate the unit under strong light.
- Do not use this product in areas where it may be exposed to water or other liquids.
- Clean the machine periodically after unplugging from the wall outlet. Do not use liquid cleaners or aerosol cleaners, use a damp cloth.
- When cleaning of detection passage required, lift the upper cover with hand, and use a provided brush to clean it <see figure3>.



figure5

## 8. Specification

Dimension: 210mm x 135mm x 105mm  
Net weight: 1 kg  
Power supply: AC100-240V 50/60Hz  
Power consumption: <10W  
Running Temperature: -5 ~ +40°C  
Standby Temperature: -30 ~ +80°C  
Humidity ≤90%