



EC350

Professional Currency Detector

User Manual



WARNING

Do not operate the product in areas with high temperature or high humidity since it may cause the unit to malfunction.

Do not disassemble this product. Incorrect re-assembly can cause electric shock. Take it to qualify personnel if repair is required.

Before turning on the power, please make sure that there are no objects obstructing the operation of the rollers and wheels.

Unplug this product from the outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning the cover.

CAUTION: “Do not change the position of the optical sensors.”

We recommend the user to verify that the box contains all of the items listed here:

- ◆Currency Detector 1 Unit
- ◆Power Adapter 1 Unit
- ◆User’s Manual 1 Unit
- ◆Rechargeable Lithium Battery (optional)
- ◆PC Update Cable (optional)

The examples and pictures in the manual are for EURO. Please check with your supplier which currency the detector can be used for(✓):

USD		CHF		RMB		INR	
EUR		SEK		TRY		GBP	
ZAR		CFA					

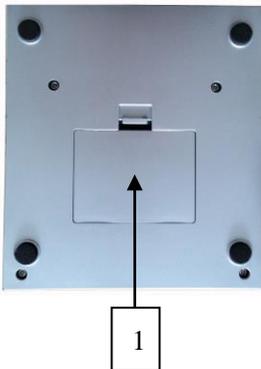
Overview

Front Side

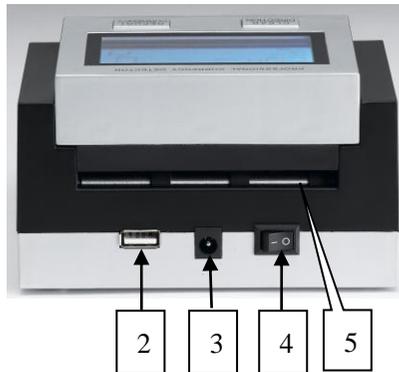
1. LCD Display Screen
2. Currency Input Slot
3. CLEAR / DIRECTION Key
(Press and hold this key to change passing direction)
4. REPORT/CURRENCY Key
(Press and hold this key to change currency setting)



Bottom and Back Side



1. Battery Cover
3. DC9V Power Input Socket
5. Currency Exit Slot



2. USB Port (For update)
4. Power Switch

Operation

1. Power supplier

- ◆ **DC Power:** Connect the power adapter to a 110V or 220V outlet and then connect the terminal to the machine's DC9V input socket.
- ◆ **Lithium Battery (optional):** When the battery was fully charged, the unit can work without a power adapter.

2. Turn on the machine

- ◆ The machine will conduct a self-check at start-up. The Value display and Sheets display will show 0. The **CFD** (Counterfeit detection), **ADD**, **CURRENCY**, **VALUE**, **SHEETS** functions will be on when the unit is ready, as the picture shows (The setting currency is EURO in the picture).



3. Function Settings

- ◆ **Currency Settings:** Press and hold the **REPORT/CURRENCY** key for 3 seconds can change the detecting currency. The currency will change from **EUR to GBP, USD** or other currency.

(Note: Only the multi-currency version machine has this function)

- ◆ **Currency passing Direction:** Press and hold the **CLEAR/DIRECTION** key for 3 seconds to change the currency passing direction. The

Direction symbol will change between “” and “”.

-  This direction means the genuine notes exit from the **Currency Exit Slot** and the Counterfeit notes exit from the **Currency Input Slot**.

-  This direction means the genuine notes exit from the **Currency Input Slot** and the Counterfeit notes exit from the **Currency Exit Slot**.

4. Inserting the banknotes correctly

Please insert the notes as shown in photo ① or photo ②. If a note was incorrectly inserted the machine will refuse it and alert.

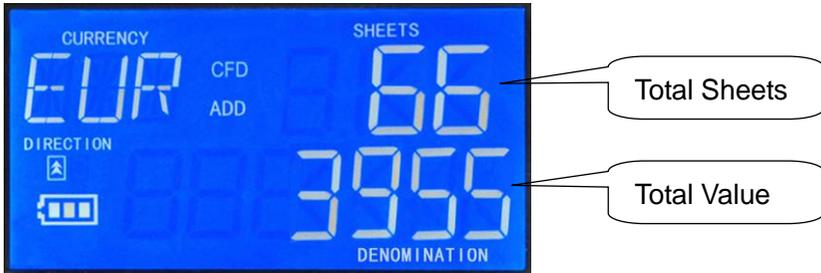
- ◆ **USD** and **CHF** must be placed near the left side and in one direction, such as photo ① shows.
- ◆ **EUR, GBP, SEK, TRY** and **ZAR** can be placed in 4 directions and do not need to place near left side such as shown in photo ②. Photos ③ and ④ are incorrect ways.
- ◆ **RMB** and **INR** must be placed near the left side without the limit of direction.



After a note was inserted, the detecting system will check it and then alert the user with an audible signal, indicating whether the banknote is genuine one or fake one.

- ◆ Suspicious or counterfeit notes will be rejected with two beeps and the display will show the error code. This banknote will not be added to the total value and total sheets.

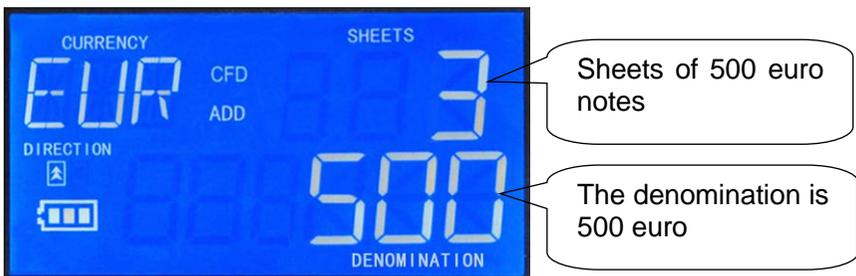
- ◆ Genuine notes will pass through the machine or return without alert, this banknote will be added to both total value and total sheets. And the total value and total sheets will be displayed.



Press the “CLEAR/DIRECTION” key to clear the total sheets and the total value.

5. Report Function.

- ◆ **Press** the “REPORT/CURRENCY” key to check the detail of the detected notes. The number of sheets and total value of every denomination will be displayed one by one with every press. For EURO the sequence is: “500→200→100→50→20→10→5→500”.



When detecting the notes in “Report Function” mode, will auto display the denomination and the sheets of the detecting note.

Press the “CLEAR/DIRECTION” key to exit reporting.

Clearing

Open the top cover upward. Use a soft brush to clear the sensors.



Troubleshooting

Error Code	Error	Solutions
E0~E11	Sensor Error	1. A note was jammed in the machine. Turn off the power and remove the banknote carefully. 2. If the display shows this error but there is no note in the machine, please clean the sensors or replace the damaged sensors.
EH/EC	Size Error	Please insert the note correctly as shown in photo ① or ②.
EJ	Skew Notes	Please insert the note as shown in photo ① or ②.
CF0	UV Error	 Please recheck the note as the feed in picture ①(USD/CHF/INR/Korea W/etc) or picture ②(EUR/GBP/SEK/etc) again to confirm it's counterfeit note or not.
CF1~CF7	IR Error	
CF8	MG Error	
CF9	MT Error	

Specifications

1. Operation Temperature: 0°C- 40°C
2. Storage Temperature: -20°C- 70°C
2. Humidity: 25% - 80%
3. Dimensions: 143 x 128 x 73 (mm)
4. Net Weight: 0.63kg
5. Display: Large LCD with blue backlight.
6. Power Source: DC9V or Lithium Battery (optional)
7. Detection Speed: < 0.5 seconds/banknote
8. Power Consumption: 5W
9. Certification: CE, ROHS approved