



235

Counterfeit Detector



Manual

User instructions for the **Safescan 235 Counterfeit Detector**

Thank you for your purchase.

The Safescan 235 is a reliable, easy-to-operate, counterfeit detector. It distinguishes counterfeit banknotes from genuine banknotes by detecting infrared properties on banknotes.

WARNING

- The Safescan 235 should be operated solely with the power source enclosed in the box.
- Do not place the device in high temperature surroundings or in areas with a high level of humidity. This will cause electricity leakages and the risk of electric shocks will increase, which results in inaccurate counterfeit detection.
- In any case, turn the power off when not operating the device.

CONTENTS

1.0 GENERAL PARTS & CONTROLS	PAGE 3
1.1 BOX CONTENTS	PAGE 4
2.0 FEATURES	PAGE 4
3.0 OPERATION	PAGE 4
3.1 INFRARED BANKNOTE PROPERTIES	PAGE 5
4.0 TROUBLESHOOTING	PAGE 6
5.0 MAINTENANCE	PAGE 6
6.0 TECHNICAL SPECIFICATIONS	PAGE 6
7.0 WARRANTY	PAGE 7
8.0 OTHER INFORMATION	PAGE 7

1.0 GENERAL PARTS & CONTROL

1. MAIN HOUSING
2. INFRARED CAMERA
3. LCD SCREEN
4. CONTROL PANEL
5. POWER SOCKET CONNECTOR
6. MOUSE CONTROL SOCKET (FOR OPTIONAL MOUSE, NOT INCLUDED)
7. MODE KEY (FUNCTION KEY FOR OPTIONAL MOUSE)
8. BRIGHTNESS KEY
9. CONTRAST KEY
10. POWER KEY



1.1 BOX CONTENTS

1. Safescan 235 counterfeit detector
2. EU power adapter
3. Manual in English

2.0 FEATURES

- Infrared (IR) detection
- Large 5" LCD screen
- For all currencies
- Check multiple banknotes simultaneously

3.0 OPERATION

1. After opening the box, place the device on a stable table.
2. Plug the power adapter (enclosed) into the mains (AC 110-240V) and connect it to the device (5).
3. Press the [POWER] key (10) to turn the device on.
4. The LCD screen switches on. The device is now ready to check the IR features of banknotes.
5. Place a banknote or multiple banknotes in front of the device while looking at the LCD screen (3).
6. Check the image on the screen. See 3.1 for details. If necessary the brightness and contrast of the LCD screen can be adjusted with the brightness (8) and contrast (9) keys.
7. Press [POWER] key (10) to turn off the device.

NOTE: The Safescan 235 is able to verify the IR properties of multiple banknotes at once. Simply hold a range of banknotes in front of the device and check the image on the screen. This way, the check of the infrared features on multiple banknotes is possible within seconds. See the pictures below for details.



3.1 INFRARED BANKNOTE PROPERTIES

Infrared properties of genuine banknotes can easily be recognised. When the Safescan 235 detects a counterfeit banknote, the entire banknote will in turn be displayed on the LCD screen. When a genuine banknote passes the Safscan 235, only certain parts of the banknote will appear on the the LCD screen (other parts of the banknote will be blank). See below a few examples of counterfeit vs genuine banknote rendering.

Example view counterfeit banknote

EURO



BRITISH POUND



SWISS FRANC



POLISH ZLOTY



AMERICAN DOLLAR



Example Infrared view genuine banknote



4.0 TROUBLE SHOOTING

Problem	Cause	Solution
The device remains off.	No power.	Check if the power adapter is correctly connected. Use only the power adapter enclosed.
The device is on, however the image on the LCD screen remains black.	The image settings are wrong.	Adjust the image settings with the [Brightness] key(8) and [Contrast] key(9).
The image on the LCD screen still remains black.	The Safescan 235 has an optional connection possibility for compatible mouse cameras. This device is activated by pressing the [MODE] key. When no mouse camera is connected, pressing the [MODE] key will cause a black image on the LCD screen.	Press the [MODE] key (7) to exit the mouse camera function.

5.0 MAINTENANCE

The Safescan 235 is a "low maintenance" device. For optimal lifespan make sure to turn off the device after usage. Gently remove dust from the LCD screen and infrared camera with a dry and soft cloth.

6.0 TECHNICAL SPECIFICATIONS

DETECTION FEATURES:	INFRARED (IR)
DIMENSIONS:	150 X 102 X 295 MM
POWER:	DC 12V/1.5A
POWER CONSUMPTION:	<10W
OPERATING TEMPERATURE:	0~40°C
OPERATING HUMIDITY:	15-75%
LCD SCREEN:	5 INCH
WEIGHT:	643 GRAMS

7.0 WARRANTY

WARRANTY PROCEDURE

Contact Safescan for assistance : www.safescan.com

8.0 OTHER INFORMATION



This product is in compliance with the essential requirements and other relevant provisions of the applicable European directives. The Declaration of Conformity (DoC) is available at www.safescan.com



If possible, bring the device to a recycling centre after usage.
Do not throw away the product with the household trash.



www.safescan.com