EUROPEAN CENTRAL BANK
EUROSYSTEM

List of successfully tested banknote authentication devices

Introduction

This page provides a regularly updated list of tested banknote authentication devices to help you choose the counterfeit detection equipment most suitable for your needs. The devices have been tested with the counterfeits most frequently seen in circulation at the date of the test.

You can either download the complete list (as PDF) or use the search function accessible via the field below.

Test results

Tested devices - Full table (last updated: 4 August 2017)

Authentication devices - Free text search

Are you looking for a specific "authentication device"?

You can search the database in any of the following fields:

- Device ID
- Device name
- Device type
- Manufacturer name
- Manufacturer city
- Manufacturer country

and obtain a list of results.

Before acquiring a new device, you are advised to check with its manufacturer if it can be adapted to handle the new banknotes of the Europa series (ES2).

Manufacturer name	Device name	Identification (Hardware|Software)	Date of the test
Kobo Science & Technology Co Ltd	BT-6000	Main Board: 1.6, Display: 2.7.2.8	2017-02-23

Identification number of the device	Device name	Identification (hardware/ software versions)	Contact details of manufacturer	Device processes the following denominations of euro banknotes	Power supply	Category of device	Version of the test deck used in the test	Percentage of genuine banknotes correctly identified as genuine
409000076366	BT-6000	Main Board: 1.6, Display: 2.7.2.8	Kobo Science & Technology Co Ltd Room 906 No.1 Building Runjie Mansion Dengwei Rd PC 215011 Suzhou Jiangsu China **www.kobotechweb.com**	ES1 All Denominations ES2 5 ES2 10 ES2 20 ES2 50	220 V	2. Batch processing device	50	100.00

Identification number of the device	Device name	Identification (hardware/ software versions)	Contact details of manufacturer	Device processes the following denominations of euro banknotes	Power supply	Category of device	Version of the test deck used in the test	Percentage of genuine banknotes correctly identified as genuine
409000076366	BT-6000	Main Board: 1.6, Display:	Kobo Science & Technology Co Ltd Room 906 No.1 Building Runjie	ES1 All Denominations	220 V	2. Batch processing	50	100.00

			PC 215011 Suzhou Jiangsu China www.kobotechweb.com	ES2 10 ES2 20 ES2 50
Kobo Science & Technology Co Ltd	BC-8V	04	2016-09-20	
Kobo Science & Technology Co Ltd	BC-8EI	Mainboard 2D, DSP 10	2016-09-19	

When searching for a country, its English name should be used.

Remarks

1. It is not clear whether the device complies with any national or European Union health and safety legislation.
2. The device does not support all denominations. Please contact the supplier for information on denominations supported.
3. The device supports all feeding orientations.
4. The device supports one feeding orientation only.
    1. The correct orientation is clearly indicated on the device.
    2. The correct orientation is not (clearly) indicated on the device.
5. The company has not provided clarification as to the authentication features that the device checks.
6. Please contact the supplier for information on the availability of a user manual in the language of your choice.
7. The user manual lacks instructions on how, and how frequently, the device needs to be serviced in order to continue functioning properly.
8. The current version of the software used by the device cannot be verified by the user.

Use of devices and banknote handling machines

The listed devices do not qualify as banknote handling machines in line with Decision ECB/2010/14 on the authenticity and fitness checking and recirculation of euro banknotes. Thus, they cannot be used by credit institutions or other cash handlers for the automatic authentication of euro banknotes destined for recirculation via automated teller machines and other customer-operated cash dispensing machines.

For the test results of banknote handling machines, see the list of successfully tested types of banknote handling machine (Link to: http://www.ecb.europa.eu/euro/cashprof/cashhand/recycling/html/tested.en.html) (as referred to in Article 6(1a) of Council Regulation (EC) 1338/2001, as amended by Council Regulation (EC) 44/2009).

Disclaimer on testing and results

Disclaimer

1. The counterfeit euro banknotes used in the test are, to the best of the knowledge of the ECB and the NCBs, those most commonly found in circulation in the euro area at the time of the last update of the test deck used. Since the ECB and the NCBs cannot foresee or rule out the possibility of new types of counterfeit appearing after the test deck has been updated, manufacturers are responsible for retesting the various types of device on a regular basis. Furthermore, distributors and users of these devices are responsible for having the authentication sensors in their devices periodically updated in order to detect new counterfeits.
2. To the extent permitted by law, the ECB and the NCBs do not accept any liability whatsoever for (i) any direct or indirect damage resulting from the performance of the tests, or the publication or non-publication of the test results on, or their removal from, this page of the ECB's website, or (ii) the outcome of the tests. For separate disclaimers used by the Deutsche Bundesbank and the Banco de Portugal, see below.
3. The published test results neither contain nor imply any recommendation by the ECB or the NCBs to the effect that third parties should or should not use the type of device tested.
4. This statement does not imply any warranty by the ECB or the NCBs, whether express or implied, to the effect that the types of device tested can detect counterfeit euro banknotes continuously and without error, or concerning their fitness for use, or their purpose, irrespective of whether the users of the devices comply with the user requirements.

Disclaimer (2) by the Deutsche Bundesbank:

The Deutsche Bundesbank does not accept any liability whatsoever for (i) any direct or indirect damage relating to the performance of the tests or the publication or non-publication of the test results on, or their removal from, this page of the ECB's website, or (ii) the outcome of the tests, unless such damage is caused by intent or gross negligence on the part of the Deutsche Bundesbank. In addition, the limitation of liability provided for in the general disclaimer by the Deutsche Bundesbank remains applicable.

Disclaimer (2) by the Banco de Portugal:

The performance of the tests and the publication or non-publication of the test results on, or their removal from, this page of the ECB's website, do not imply the assumption of any liability whatsoever for any direct or indirect damage relating to these matters.

Copyright 2017, European Central Bank