

# PRO-4 PRO-7



The PRO-4 and PRO-7 series of counterfeit currency detectors are designed for determining the authenticity of banknotes from various countries including EUROS and United States dollars, as well as for authenticating securities and documents. These detectors are simple and efficient to use and are ideal for use in supermarkets, offices, accounting departments, and more.

## 1

## Specification

Model	PRO-4	PRO-7
UV	4W	7W
Power consumption	4W	8W
Power supply	110-220V 50-60Hz	110-220V 50-60Hz
Net weight, g (lb)	300 (0.66)	600 (1.32)
Dimensions, mm Dimensions, inch	160x80x70 3/10(L) x 3 3/20(W) x 2 3/4 (H)	160x80x70 3/10(L) x 3 3/20(W) x 2 3/4 (H)

## 2

## Appearance



1. Operating table
2. Power switch

1. The device should be installed on an even horizontal surface, away from water and dangerous objects.
  2. Do not place the device in an area where it can be affected by direct sunlight, directional artificial light, strong vibration, or dust.
  3. If the device was exposed to cold for an extensive period of time, it is necessary to keep it at the room temperature for not less than 3 hours, when the device has not been stored in a box. If the device has been stored in a box while exposed to cold temperature, allow the device to sit at room temperature for 12 hours prior to use.
  4. **WARNING!** To avoid overheating, do not use the device for more than 8 hours without at least a 1 hour break to allow the device to cool down. Never use the device for more than 12 hours of non-stop operation or leave the detector turned on without an operator. Overheating or a failure of the UV lamp can result from improper device usage.
- NOTE:** The manufacturer is not responsible for damage to the device or operator injury in the event of incorrect usage of the device.

Turn the power switch to the "I" position.

It is recommended that the device is placed out of direct sunlight or any other type of strong directional light that may interfere with the operator's ability to use the UV lamp correctly. The UV lamp allows for verifying the paper composition (through luminescence) and luminescent marks. It also allows for the operator to check for signs of tampering with the banknote, including altering official markings on the note or whether or not the banknote has been in contact with chemicals that alter its properties. Under UV light, banknote paper should not glow. However, official markings including luminescent marks that are normally hidden under regular lighting conditions should be easily seen under UV light. The UV security features incorporated into supported currencies are shown in the Appendix.

Counterfeit banknotes printed on common (non-official) white paper will glow brightly under UV light. However, it should be noted that the same glow can be seen when authentic banknotes have been exposed to certain environments, especially laundry detergent or bleach. Further authentication should be used to determine the status of these banknotes.

Counterfeit banknotes printed on low quality paper (such as newspaper or blotting paper) do not glow under UV light. However, it is impossible for the same quality of images to be printed on this type of paper, especially in relation to watermarks. When an authentic watermark is placed under UV lighting, it is barely visible, while a counterfeit watermark can be clearly seen.

All of these methods should be used when attempting to authenticate banknotes using UV lighting.

**EURO. Correct image under UV-light**



**PRO Intellect Technology Co. Ltd..**

# USD. Correct image under UV-light



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Manufacturer guarantees proper functioning of the device during the warranty period since the date of sale under condition of compliance with maintenance and storage procedures described in this manual. After unpacking the device please keep the package and technical description. Warranties are canceled in the event that the device was not transported in the original packaging or maintenance procedures were violated. Manufacturer is not responsible for device malfunction as a result of improper maintenance, storage and transportation including mechanical failures.

In case of the device failure during the warranty period, the customer has the right to have it repaired in our service center for free. The service center accepts equipment for cleaning due to dust and mud, however cleaning equipment from dust and mud is not included in the warranty and is charged separately.

Warranty service does not include any training for equipment maintenance or other use of the device (connection, testing, customizing, preventive works etc.) which the customer can complete on their own by referencing the attached manual.

Producer is entitled to introduce updated software, not described in the current manual.

Warranty service is not available in the following cases:

- Absence of a warranty card, an incorrectly filed warranty card, or other invalid card
- If operation or maintenance rules mentioned in the manual were violated
- If there is mechanical damage to the equipment
- If there are foreign objects or liquid inside of the device

The present warranty does not apply to lamps, batteries, belts, network adaptors, power units, safety fuses, brushes, parts of the body of the product or any other parts which have a naturally limited period of service including failures caused by power supply failures. Replaced defective parts are to be considered the property of the producer. The owner delivers faulty equipment to the service center at their own expense.



