

# FD-02 Forgery Detection Kit

- 1 Ultraviolet Lamp
- 2 Retroviewer
- 3 Microscope
- 4 Stand Loupe



- 5 Eye Loupe
- 6 Size Template
- 7 Tweezers
- 8 Spare lamps and batteries

## ORDER OPTIONS

Basic Kit with all listed components

FD-02

Spare set of 8 Alkaline batteries

B

Kit supplied with batteries fitted to UV-500, MS-30 & Retroviewer

BF

Spare set of lamps for UV-500, MS-30 & Retroviewer

S

Example: FD-02BFB is the basic kit with spare set of batteries and batteries fitted to the Ultraviolet Lamp (UV-500), Microscope (MS-30) and retroviewer

**ACO Electronics Ltd,**  
Unit 3, Manor Farm Business Park,  
Wendy, Royston, Herts, SG8 0HW.  
**Tel: +44 (0)1223 208222**  
**Fax: +44 (0)1223 208150**  
**e-mail: sales@acoelectronics.com**  
**Web: www.acoelectronics.com**



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The FD-02 is a handy kit for the detection of many types of fraudulent documents in Front Line areas such as at Airports, Borders, on board ships or for Mobile Patrols. Particularly suited for passport and identity card control, the FD-02 will be useful for airline security personnel and immigration officers who need to check for forged travel documents at departure gates or at airline steps where mains power is not available.

Resulting from the first-hand experience of immigration officers and border guards over many years, the FD-02 contains all the necessary tools for the detection of forgeries, alterations, erasures and for the checking of security safeguards.

All the tools are housed in a soft nylon bag and are protected from damage by deep cut-outs in a foam lining. The kit is available ready for use with all batteries fitted and with a full complement of spare lamps if required. A comprehensive easy to read manual enables the user to become rapidly familiar with the contents of the kit and how to carry out simple document checks as well as giving service guidance.

## Contents

### Ultraviolet Lamp

A convenient hand-held 4 watt ultraviolet source with an additional white torch for checking indented writing, raised paper fibres caused by mechanical erasures and for checking transmissive security features such as watermarks, security threads and perfect resolution. The ultraviolet light is one of the most widely accepted light sources for document examination. UV can visualize invisible security safeguards, check paper quality and highlight chemical erasures.

**Replacement order code:** UV-500

**Mechanical:** 152 (length) x 52 (depth) x 20 (width)  
Weight: 87 gms (without batteries)

**Batteries:** 4 x AA size

Lamps: 4watt F4T5BLB re-order code UVA-400  
White Lamp: 6v, 2 watt re-order code WL500



### Retroviewer

A hand-held viewer for checking the 3M Confirm™ security laminate. The Confirm™ laminate is used on many passports and identity cards primarily to discourage the substitution of the holder's photograph, but it also protects any biographical details on the document. The Confirm™ laminate has an embedded hidden image which may only be seen with the special retroviewer.

Any damage caused by photograph substitution or attempts to lift the laminate is readily seen, as is the substitution of the whole laminate.

**Replacement order code:** 3M Viewer

**Batteries:** 2 x AA size

**Mechanical:** 105 (length) x 50 (width) x 18 (depth)  
Weight: 24gms (excluding batteries)



### Microscope

An illuminated portable microscope with 30x magnification and a pull-out 8x magnifying glass. Useful in security document examination for the checking of microprint and the investigation of stitching on passports. Microprint is very fine printing which to the naked eye appears as a continuous line, but under high magnification printed logos or words are revealed.

**Replacement order code:** MS-30 Batteries: 2 x AA size

**Mechanical:** 20 (width) x 45 (depth) x 140 (height)  
Weight: 64 gms (excluding batteries)

### Stand Loupe

A useful stand magnifier for the checking of the size of printed features and typeface sizes. Has 10 x magnification and a graduated reticule in millimetres and degrees for angular measurements.

**Mechanical:** 45 (height) x 50 (diameter)  
Weight: 42 gms



### Eye Loupe

A 7.5 jewellers eye loupe useful for hands-free examination of details on documents. It can be particularly helpful when the edges of passport pages require examination where photograph substitution by page slitting is suspected.

**Mechanical:** 28 (height) x 40 (diameter)  
Weight: 6 gms



### Size Template

A tough clear plastic size guide with 4 circular, 2 ellipsoidal and 1 angular templates, as well as a grid guide and a 20 mm ruler. Particularly useful when comparing the sizes of printed features of a suspect document with those on a genuine document.



### Tweezers

A pair of No 7 size tweezers with sharp points for various tasks including the close examination of dry stamps and for checking the integrity of passport stitching.



### Carry Case Specification

- Size: 260 x 180 x 80 mm
- Weight: 720 gms with spare lamps and one set of batteries.
- 25 mm wide adjustable shoulder strap with soft pad.
- Internal clear wallet for location of the size template, instruction manual and users documents.