

# UV DETECTOR

User's Manual



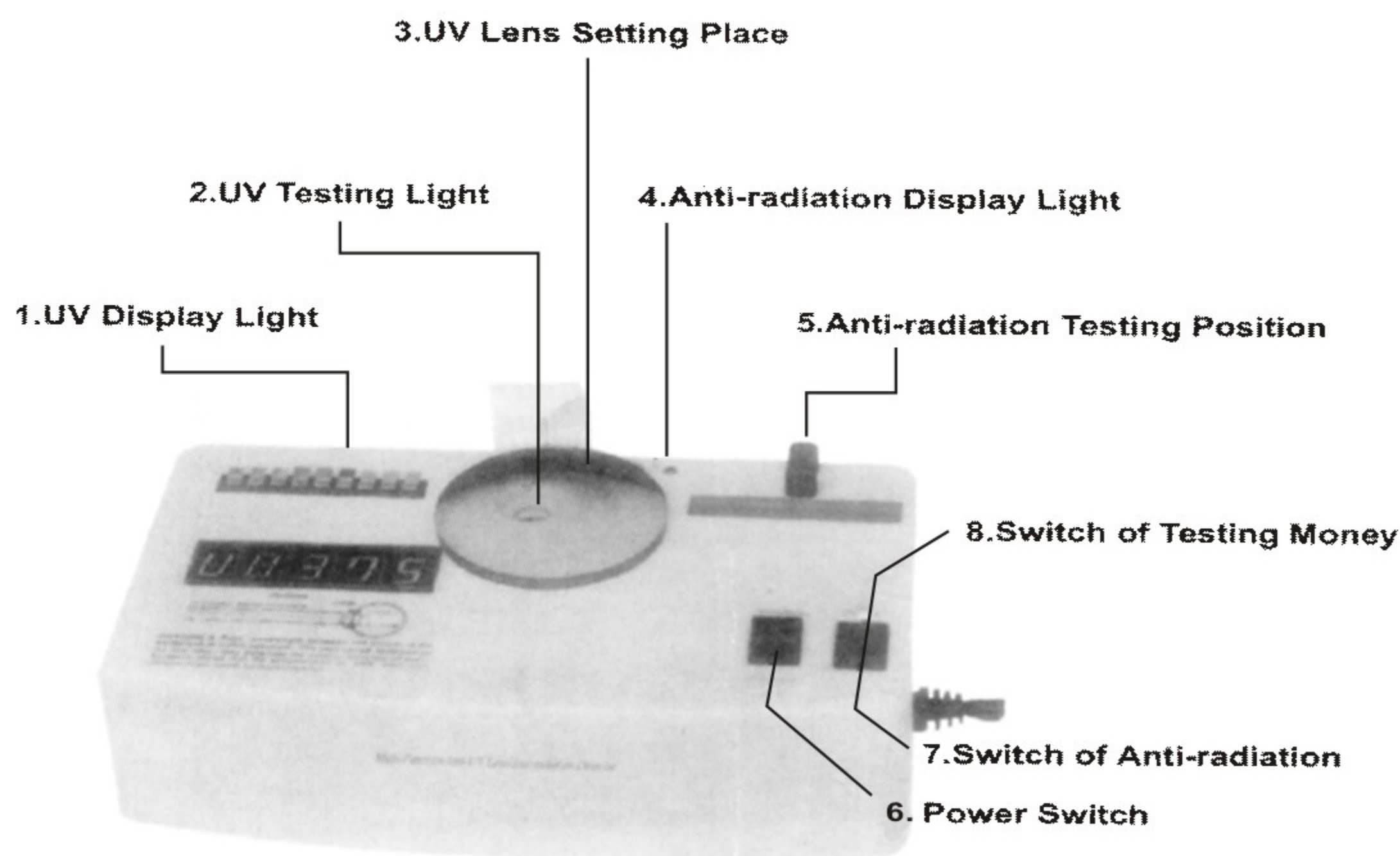
## 1. Unsealing the package of machine

- 1-1. Open the carton, and take out the machine wrapped in the plastic bag.
- 1-2. Take the machine out carefully and put in place that stable and have enough space.

## 2. Safety Precautions:

- 2-1. Please don't use this machine for any other purposes except measuring lens.
- 2-2. When the machine works, in order to avoid injured, please make sure the skin and eyes away from the ultraviolet light.
- 2-3. Do not operate the machine when the power unable to reach the standard level. You must clear the details of the power supply.
- 2-4. Place machine in a cool place and avoid direct sunlight.
- 2-5. If any liquid or material get into the machine, switch it off and pull out the power plug immediately. Machine can be restarted until the expert finish checking and repairing.
- 2-6. No other spare parts can be fitted in the machine except the original elements.
- 2-7. If the machine is left idle for a period of time, please remove the plug out of the wall socket.

## 3. Structure





- (1). UV Display Light
- (2). UV Testing Light
- (3). UV Lens Setting Place
- (4). Anti-radiation Display Light
- (5). Anti-radiation Testing Position
- (6). Power Switch
- (7). Switch of Anti-radiation
- (8). Switch of Testing Money

#### **4.Machine Operation**

4-1. Operations of the testing of Anti- ultraviolet ray lens and Anti-radiation lens

4-1-1. Turn on the Power Switch (6), the digital screen shows Uv000. Turn the switch of anti-radiation (7) on when all the UV display lights ( 1 ) light up.

4-1-2. Put the lens on UV Lens Setting place ( 3 ).

If the wave length of the lens is below 360 nm, the digital screen shows UV000, which means the effect of Anti- ultraviolet ray is bad. If the wave length of the lens is above 360nm, the digital screen shows 360 、 365 、 370 、 375 、 380 、 385 、 390 、 395 、 400 individually. 400 means the best effect of Anti-ultraviolet ray, and 360 is the worst.

4-1-3. For testing the Anti-radiation lens, Place the lens on the top of the black button directly. If the Anti-radiation light ( 4 ) displays red light, it means the lens tested is a normal lens. If the green light appears with the alarm made by machine, that means this lens is an anti- radiation lens.

4-2. Testing the photochromic lens and counterfeit money

4-2-1. Turn the power switch on first (6), then the switch of testing money (8).

All UV lights are went out at that moment (1).



- 4-2-2. Put the photo-chromic lens on the UV lens setting place (3), the lens changes the colour gradually within 10 ~ 20 seconds. It's convenient to show you the colour - changing procedure and the degree of discoloring and fading.
- 4-2-3. It has a testing counterfeit money device on the part of UV Testing Light ( 2 ) and it's easy to operate. Put the CASH on UV Light and see if this CASH has fluorescent fibril. Or, you could made judgement according to the reflection.  
As the testing process is quick and hidden, you won't offend customers and can receive the bill securely.

## 5. Maintenance and attention

- 5-1. When it's not used, you should cover the unit with soft cloth. Please don't put this unit in a dark, damp place. It may influence its testing precision due to damp.
- 5-2. Dust on the UV Light should be cleaned with small cotton stick. Always keep the light clean. Otherwise, it may influence its testing precision.
- 5-3. Strict standard of power supply (voltage and frequency) needed by this unit, otherwise, it may influence its testing precision.

## 6. Specifications:

Power Source	AC 220V, 50Hz, or AC110V, 60Hz
Weight	750g
Unit Dimension	26 x 13.8 x 10.4 cm
Power Consumption	10 w
Acceptable diameter of lens	10 ~80mm

The specifications are subject to change without notice