

# UV-A Mobile Tester

## Instruction Manual



### 1. WARNING ! – ATTENTION:

- Due to its small size, there is the risk that young children may put the UV Mobile Tester in their mouth and swallow it. It must therefore be kept away from children.
- Do not dismantle the UV Mobile Tester.
- Scratches or damage to the UV Mobile Tester may cause measurement errors or contact failure.
- Keep the UV Mobile Tester in clean and in good condition; especially the sensor-head, which must be kept free from dust and grease.
- Keep the UV Mobile Tester away from:
  - Temperatures below 0 and over 50 degrees Celsius
  - Aggressive chemicals or corrosive environments
  - Excessive contact with water; the UV tester is not water-resistant.
- While unpacking, check for any signs of shipment damage and, if found, notify both the transporter and supplier in writing, within 8 days of receipt, with full details of the damage that has occurred and retain the equipment and packing materials for inspection.

We reserve the right to update the App at all times.

### 2. PREPARATIONS FOR USE:

The UV Mobile Tester needs to be used in combination with a software App, which can be freely downloaded:

- **For Android**  
Search 'Alcochem' on Google Play Store and select "UVtester". Download, install and run the App.
- **For iOS (iPhone, iPad):**  
Search 'Alcochem' on App Store and select "UVtester". Download, install and run the App.

### 3. INSTRUCTIONS FOR USE:

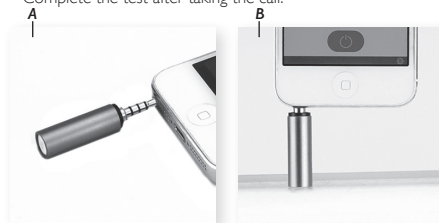
- Plug the UV Mobile Tester into the Smartphone headphone jack **(A)**. Open the App on your Smartphone, then tap the [ON] button on the screen.
- For best results, prevent any vibrations. Ensure that the UV-A lamp being tested has been switched on for at least 10 minutes to allow it to reach its full UV-A output potential.
- Place the white sensor head in direct contact with the surface of the UV-lamp **(B)**. Taking a measurement at a distance from the lamp will provide an incorrect reading since the sensor signal will diminish over distance. It is recommended that the measurement is taken in the centre of the lamp with the sensor head held flush to the lamp surface.

*By sliding the lamp over the lamp surface, small variations in the lamp strength can be seen. This is a normal phenomenon. For a more accurate measurement take 3 measurements and use the average value found.*

- The UV Mobile Tester works by plugging into the headphone jack and cancels the phone volume control.

*If making a call, or answering an incoming call, the UV Mobile Tester must be disconnected.*

- Incoming calls received while taking a measurement may affect the result. Complete the test after taking the call.



### 4. NAVIGATING THROUGH THE APP:

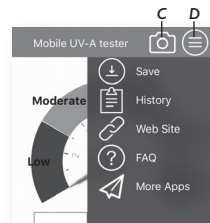
In the upper part of the screen of the App you will find two buttons:

- The **Camera button (C)** will take a screenshot and place this in the photo library of your Smartphone. This allows you to review the measured value later.

The button in the upper right corner **(D)** opens a drop down menu, which shows 5 optional buttons, as follows:

- **Save** is used to store the measured data. In this sub-menu you will see a Process button on the upper right side, which allows you to process the data you have clicked on. (Options available here depend on your smartphone and operating system)
- **History** can be used to bring up your previously saved data.
- **Website** takes you to the website: [www.insect-trap.net](http://www.insect-trap.net) from where you can download a digital copy of this manual. Note that this digital Manual may be updated periodically.
- **FAQ** brings you to the section Frequently Asked Questions about the UV Mobile Tester.
- **More Apps** brings you to the page in your App store where you can download other free Apps. Feel free to try these Apps (Free of advertisements).

For more details, please go to [www.insect-trap.net](http://www.insect-trap.net)



### MEASUREMENT VALUE RANGE

The data shown in the main screen of the App correspond to following:

Level	Index Range	Lamps status
Excellent	over 11 mW/cm <sup>2</sup>	Lamp has a very high UV-A output value
High	8-10 mW/cm <sup>2</sup>	Lamp has a high UV-A output value
Moderate	6-7 mW/cm <sup>2</sup>	UV-A output of the lamp is moderate
Low	3-5 mW/cm <sup>2</sup>	UV-A output of the lamp is low, we recommend a lamp change
Very low	1-2 mW/cm <sup>2</sup>	UV-A output of the lamp is very low, we strongly recommend a lamp change

### 5. MAIN SPECIFICATIONS OF THE UV TESTER:

Detects	UV-A light
Wavelength Range	310 ~ 400 nm
Measurement Error	±10%
UVI (UV Index) Range	0 ~ 12 mW/cm <sup>2</sup>
UV Power	0 ~ 20 mW/cm <sup>2</sup>
Mobile Tester Type	Semiconductor UV tester
Length / diameter	incl. headphone jack 47 mm, diameter 10 mm
Weight	6 g
Operating Temperature	0 ~ 50° C
User Interface	Smartphone (headphone jack) iOS4 and later / Android 3.0 and later

