PETONEER

UV Sanitizing Pen

User Manual

紫外灭菌笔

使用说明书

Model: PUL010

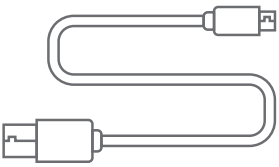
Please read this manual carefully before using.
Keep the manual in a safe place for future reference.

使用产品前请仔细阅读本使用说明书，并妥善保管

Inside the box

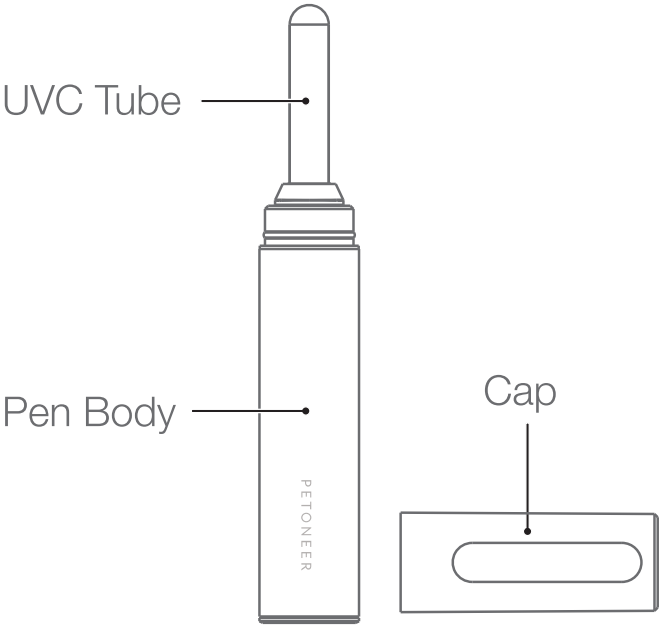
UV Sanitizing Pen

Portable pen bag



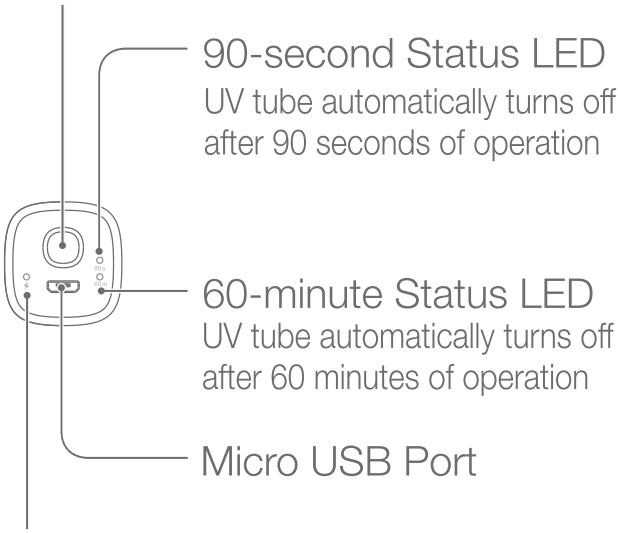
Micro USB Cable

Meet your UV sanitizing pen



Button

The 90-second and 60-minute indicators



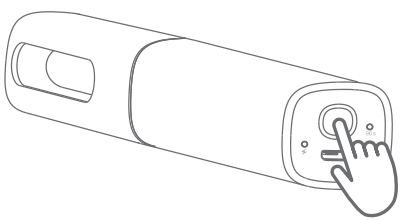
How sterilization works:

The UVC ultraviolet light emitted by the tube can destroy the DNA structure of microorganisms such as bacteria and cause them to die.

Operations

1. Power On

Press and hold the button for more than 3 seconds, and the 90-second and 60-minute indicators will light at the same time.



2. Working Mode Selection

After startup, the default mode is 90 seconds, and the mode can be switched by pressing the button within 5 seconds;

3. Turn off

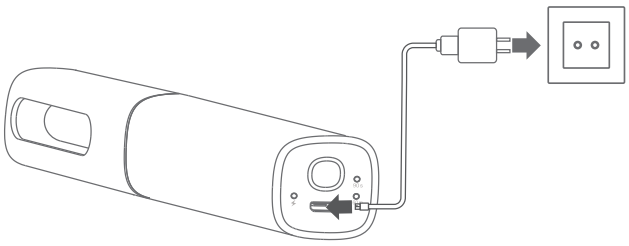
Press and hold the button for more than 3 seconds to turn off the pen in operation.

4. Check Battery Status

When the UV pen is off, press the button:
90-second and 60-minute Status LEDs are steady on at the same time: Battery Capacity>20%;
90-second and 60-minute Status LEDs are flashing at the same time: Battery Capacity<20%;

5. Charging

Connect the power supply for charging which takes about 3 hours.



Sterilisation Methods

1. Sterilization by Hand-holding

Hold the pen body with your hand, attach the window of the cap to the surface of the object and slowly move to sterilize.(Make sure that the irradiation lasts 2-3 seconds on the targeted area)

2. Sterilization of Liquids

Remove the cap and put the tube inside the container, turn on and sterilize by stirring. (Adjust the sterilization time according to the amount of water. It is recommended to stir for 90 seconds for 1L water.)

3. Sterilization in Fixed Position

Remove the cap, turn on and place the pen in the expected area. (only for the small area)

Specification

Model: PUL010
Size: 7.72x1.14x1.18 inches (196x29x30 mm)
Weight: 4.83 oz (137 g)
Battery: Lithium 2200 mAh
Battery Life: 2.5 hours (fully charged)
Working modes: 90 seconds or 1 hours
UV tube life: 15,000 hours
Charging port: Micro USB
Waterproof rating: IPX7 (except the base)
Warranty: 1 Year

* All pictures shown in the manual are for illustration purpose only. Actual product may vary due to product enhancement.

Precautions

1. Please avoid direct exposure to the human body and pets at close range.
2. DO NOT disassemble or modify the device yourself.
3. After repeated use, you can wipe the tube with eyeglass cleaning cloth or screen cleaning cloth to maintain good sterilization effect.
4. Please keep it in a place that children can't reach to play!
5. Please take anti-fall measures when using outdoors.
6. In some special circumstances (such as after a long time in darkness; cold environment, etc.) there is a possibility that the UV lamp cannot light up. It is recommended to start again after changing the environment (such as when it is brighter or warmer).
7. After long time usage, the yellowing insider upper shell is normal.
8. The tube is a double-layer glass, and the temperature difference may condense the air in the interlayer. It is a normal phenomenon, please reset assured.

Warranty Terms

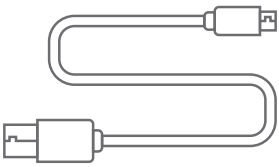
Within the period of warranty, if the product fails with no fault of user operations, it will be repaired at Petoneer's expense.
The warranty will not cover product failure in examples below:

1. Intentional damage to the product by the user or third party.
2. Failure to operate or maintain the following the Quick Installation Guide Instructions.
3. Failure by natural wear and tear including but not limited to scratching, corrosion, oxidation and rusting.
4. Failure by non-authorized repair of the product including but not limited to user's own or third-party repairing attempts or modifications.

包装清单

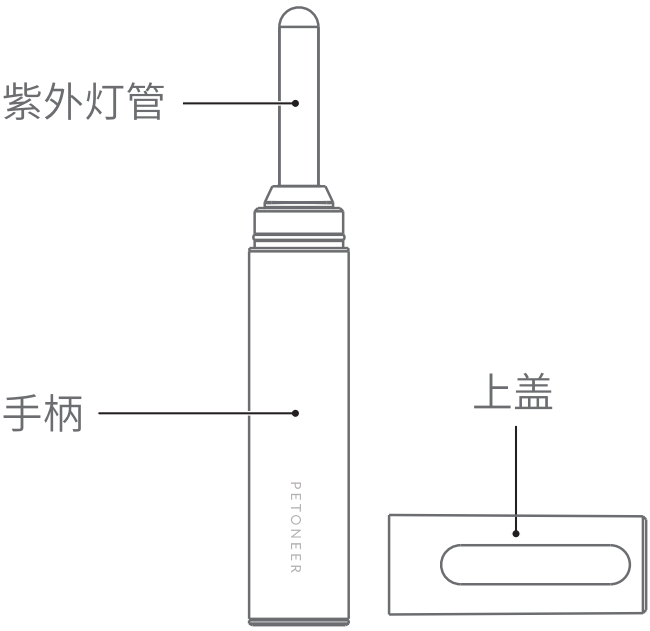
紫外灭菌笔

随身笔袋



USB电源线

产品概览



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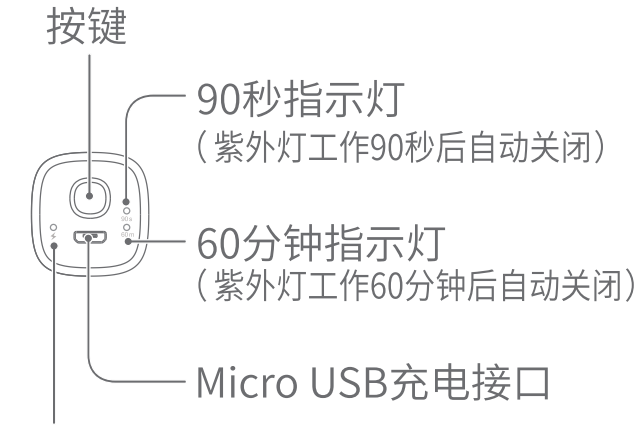


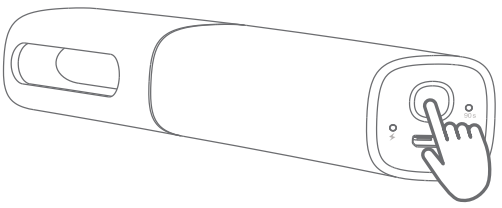
灭菌原理：

紫外灯管发出的UVC紫外线光波可以破坏细菌等微生物的DNA结构，使细菌死亡。

使用操作

1. 启动紫外灯

长按按键3秒以上，90秒跟60分钟指示灯同时点亮。



2. 选择工作模式

开机后，默认选择90秒，5秒内可通过点击按键选择工作模式；工作指示灯常亮后，不能再切换工作模式。

3. 关闭紫外灯

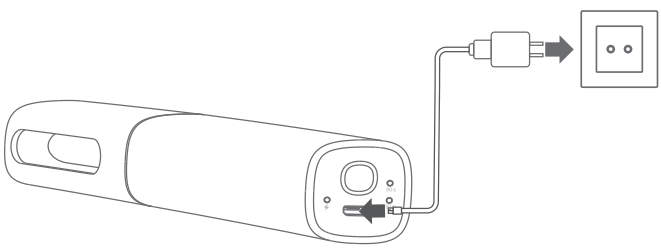
长按按键3秒以上，可将工作中的紫外灯关闭。

4. 查看电量

紫外灯在关闭状态时，按击一下按键：
90秒与60分钟同时常亮，代表电量>20%
90秒与60分钟同时闪烁，代表电量<20%

5. 充电

连接电源进行充电，大约3小时充满。



使用方式

1. 手持灭菌

手握住灭菌笔手柄处，将上盖窗口紧贴被照射物体表面，缓慢移动灭菌。（保证照射区域照射时长2-3秒即可）

2. 液体灭菌

拔掉上盖，将紫外灯管放在水容器内点亮，搅拌杀菌。（根据水量调整杀菌时间，1L水建议搅拌90s）

3. 静置灭菌

拔掉上盖，将紫外灯点亮，放置在需要灭菌的区域。（仅适用小面积区域）

基本参数

产品型号： PUL010
产品尺寸： 196x29x30mm
产品净重： 137g
电池容量： 2200mAh 锂电池
使用时长： 2.5小时（满电下）
工作模式： 90秒/60分钟
紫外灯管寿命： 15000小时
防水等级： IPX7（除底座外）
保 修 期： 1年
执行标准： Q/TK 005-2019

*为了提供更好的产品，我们会定期进行产品改良。
产品实物可能与说明书有差异。

中文

注意事项

1. 请避免长时间近距离直接照射人体和宠物。
2. 请勿自行拆解或修改装置。
3. 多次使用后，可用眼镜布或者屏幕专用清洁布擦拭灯管，保持良好的杀菌效果。
4. 使用后，请保管好，请勿让儿童使用或玩耍。
5. 户外使用时请做好防摔措施。
6. 在特殊环境下(如在黑暗环境久置后；寒冷环境等)紫外灯管存在不能成功点亮的可能。建议改变使用环境后（如较亮、温暖环境时）再次启动 。
7. 灯管为双层玻璃结构，夹层内空气因温差可能会出现凝结水珠，属正常现象，请放心使。
8. 外壳为抗紫外线材质，长期使用上盖内部会有发黄，属正常现象。

保修条款

在保修期限内，对于正常使用Petoneer产品过程中，由于非人为导致的损坏，所产生的维修费用和相关的人工费用，由Petoneer承担。

以下情况导致的维修不在保修条款包含中:

（1）故意行为导致的损坏。

（2）未按照产品使用说明书指引使用、保养该产品。

（3）设备正常磨损、腐蚀、氧化、锈垢、耗损等原因导致的损失。

（4）因在非Petoneer授权维修代理店或用户自身进行维修、改造、清洗而造成的损坏。