253.7nm UVC Lamp Specification



1. Product Overview

1.1 Thank you for purchasing our product. Please read this instruction manual carefully before use and keep it properly for future reference. Execution Standard: GB19258-2012.

1.2 This product is a disinfection device that utilizes ultraviolet light with a wavelength of 253.7nm, designed based on the powerful sterilization principle of ultraviolet (UVC), capable of rapidly inactivating bacteria, viruses and other microorganisms. It is suitable for use in medical, health, water treatment, air purification and other fields. The product complies with international safety standards (CE, ROHS, FCC,UL,MSDS,EPA certification), is highly efficient and stable and easy to operate.

2. Technical Parameters

Project	Parameter Description
Ultraviolet wavelength	253.7nm ± 2nm
Power	42W
Service life	8,000-10,000H
Working voltage	AC 110V±10% 50Hz
Protection level	IP20 Indoor
Material	Aluminium+ V0 ABS
Applicable environment	Temperature: 0-40 ℃; Humidity: ≤ 80%RH
Weight	2.5KG

3.Application Field

① Medical facilities: Operating rooms, wards, disinfection of equipment surfaces.

② Public places: school, hotel, office air purification .

③ Water treatment: drinking water, sewage sterilization and disinfection.

④ Laboratory: Disinfection of the interior of the aseptic operation table and incubator.

⑤ Home use: Kitchen, bathroom, baby care products disinfection

4.Instructions for Use

4.1 Installation

(1) Ensure that the equipment is securely and stably fixed to avoid shaking.

(2) Ensure there are no obstructions in the area of direct ultraviolet radiation to ensure the sterilization effect.

(3) It is recommended that installation be carried out by professionals

5.Operation

★. After plugging in, the green light stays on and the disinfection light is on standby.

★. Press and hold for 3 seconds to turn on/off.

★. Short press the button to cycle between 15/30/60 minute timer.

★. Start PIR radar scanning 30 seconds before the start. If there is a person/animal alarm, pause it. If there is no person/animal, start it.

★. Switching modes will cancel the current timer and rescan.

★. When switching modes, the green light flashes to indicate.

★. Automatic shutdown after disinfection is completed.

6.Precautions

- ▶ Prohibit direct eye contact with ultraviolet light sources to avoid skin and eye damage.
- ▶ Ensure that personnel and animals and plants are evacuated from the site during disinfection.
- ▶ Regularly clean the dust on the surface of the lamp tube to avoid affecting the sterilization efficiency

7.Safety Warning

- ✦ Ultraviolet Radiation Hazard: Prolonged exposure may lead to skin burns and eye inflammation, protective glasses and gloves should be worn during operation.
- ✦ Ozone warning: Some models may produce a small amount of ozone, it is recommended to ventilate for 10 minutes after disinfection.
- ✦ Children are prohibited from operating: This device requires adult use and should be kept out of the reach of children.

8.Maintenance and Care

① Daily cleaning: Wipe the surface of the lamp tube with anhydrous alcohol and perform after the power is cut off and it has cooled down.

② Replacement cycle: It is recommended to replace the lamp when the ultraviolet intensity decreases to 70% of the initial value or after 3,000 hours of cumulative use.

③ Fault handling: If the device is abnormal (such as not lighting up, making unusual noises), immediately cut off the power and contact after-sales service.

9. After-Sales Service

① Warranty Period: 1 year (free repair for non-human damage)

② Customer Support: Provides technical consultation, installation guidance, and troubleshooting services

Please be sure to read this manual before use and operate it correctly to ensure safety and effectiveness