

# **iU2-C UVC Light Meter User Manual**

Congratulations on your purchase of this Santacary iU2-C UVC Light Meter. iU2-C is a precise meter that measures ultraviolet UVC radiation.

UVC wavelength is 200-275nm, also known as short wave sterilization ultraviolet. Peak wavelength of the curve between it and bactericidal efficiency (265nm) is very close, so when 253.7nm radiation reaches a certain value, it can be used to treat intestinal bacteria, aspergillus flavus and HBsAg (hepatitis B surface antigen) and other pathogens were killed in a short time. Ultraviolet germicidal lamp emits UVC short wave ultraviolet.

## **FEATURES**

- ✧ Gallium Nitride Based Material Photovoltaic Mode
- ✧ High-precision detection, rapid response and operation
- ✧ Good Visible Blindness
- ✧ Only one power button and easy to operate
- ✧ Two AAA Alkaline Batteries

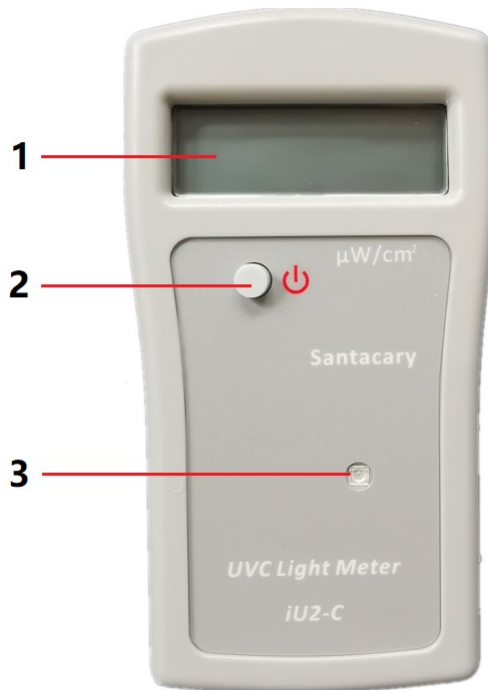
## **APPLICATION:**

- ✧ Monitoring UVC Germicidal Lamp Intensity & Aging
- ✧ Monitoring Water Treatment Disinfection Lamp Intensity & Aging
- ✧ Testing Eyewear UVC Blocking Capabilities
- ✧ Measuring Germicidal Lamp Fixture Leakage
- ✧ Testing UVC Intensity in Semiconductor Fabrication, Offset Printing, Environmental Monitoring and Industrial Process Control.

## **DEVICE**

1. LCD display
2. Power button

### 3. UVC sensor

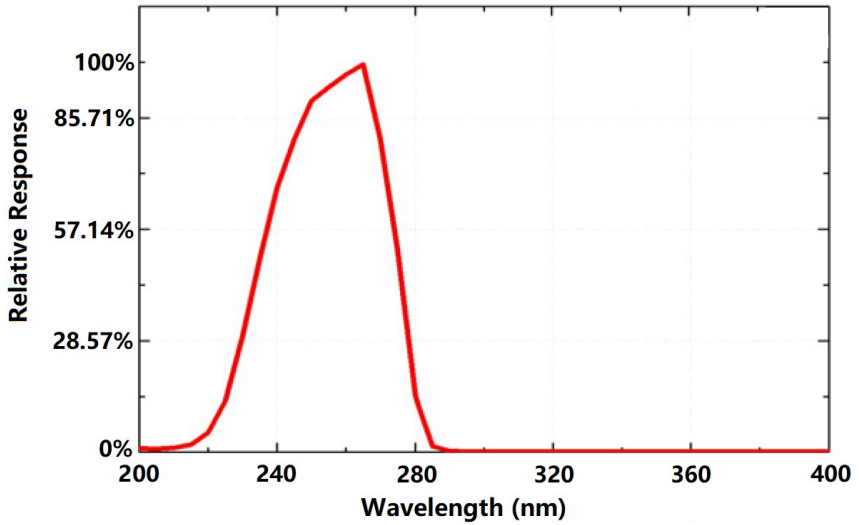


#### **OPERATION**

When the device is turned off, press Power button to turn on the unit. Press Power button two seconds to turn off the unit. When the unit is first turned on, it performs 5 seconds count down for device warm up, and then enters normal display. The device updates readings every 2 seconds. The UVC radiation intensity unit is  $\mu\text{W} / \text{cm}^2$ .

#### **SPECTRAL RESPONSE**

### iU2-C Spectral Response (Linear)



## SPECIFICATIONS

### UVC Specification

UVC Measurement Range	0 to 3000 $\mu\text{W} / \text{cm}^2$
Spectral Detection Range	220 to 280 nm
Peak point of Spectrum	265 nm
Measurement accuracy	$\pm 4\%$ or $\pm 1$ digits
Resolution	1.0 $\mu\text{W} / \text{cm}^2$
Temperature Range	-10 to 50°C (14 to 122°F)
Humidity Range	0 to 90%RH

### General

Operating	-10°C to 50°C (14°F to 122°F), 0~90% RH
-----------	---

	non-condensing
Storage	-10°C to 60°C (14°F to 140°F), <99% RH non-condensing
Power Supply	Two AAA Alkaline Batteries
Dimensions	67x124x25mm (2.64x4.88x0.98")
Weight	123 grams (4.34oz.) with batteries

## MATERIALS SUPPLIED

- ✧ Santacary iU2-C UVC Light Meter
- ✧ Protector Bag
- ✧ English User Manual

## CLEANING AND STORAGE

The front panel and case can be cleaned carefully with a soft wet cloth. Allow drying completely before using. Do not use aromatic hydrocarbons or chlorinated solvents for cleaning.

## WARRANTY

The iU2-C is warranted to be free from defects in material and workmanship for a period of two year from the date of purchase. This warranty covers normal operation and does not cover misuse, abuse, alteration, neglect, improper maintenance.

## CONTACT US

Zhaobei Building B,the 7th Industrial Road 75#,  
Shekou, Shenzhen, 518067,  
Guangdong, China  
Email: [info@santacary.com](mailto:info@santacary.com)



All rights reserved including the right of reproduction in whole or in part in any form.