

iU2 Ultraviolet AB Light Meter User Manual

Congratulations on your purchase of this Santacary iU2 Ultraviolet AB Light Meter. iU2 is a precise meter that measures UVA and UVB radiation.

UVA wavelength is 320-400nm, and the center value is 365nm. UVB wavelength is 275-320nm, also known as medium wave erythema effect ultraviolet, which is mainly used in medical treatment, aging test, spectral analysis, etc.. Most of the natural UV light people encounter comes from the sun. Of the solar UV energy that reaches the equator, 95 percent is UVA and 5 percent is UVB.

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 Xeroderma Pigmentosum UV Exposure
- ✧ Testing Window Film / Tint Transmission
- ✧ Monitoring Low Level UV from Household Lamps
- ✧ Testing Ground level UV From Stadium Lighting
- ✧ Testing Ground level UV From Stage, Nightclub and Theater Lighting
- ✧ Monitoring Artwork UV Exposure
- ✧ Monitoring Archaeological UV Exposure
- ✧ Measuring Outdoor UV Including Shady Area UV
- ✧ Monitoring UVA Lamp Intensity and Aging
- ✧ Monitoring UV LED (< 360nm)

- ✧ Monitoring PUVA Therapy Lamp Intensity and Aging
- ✧ Testing UVA In Industrial Glue Curing, Tungsten Ore Identification, Fluorescence Detection, Biopolymerization, Oil Pollution Detection, Ore Exploration, Criminal Detective, and Textile Industry.

DEVICE

1. LCD display
2. Power button
3. UVA+B sensor



OPERATION

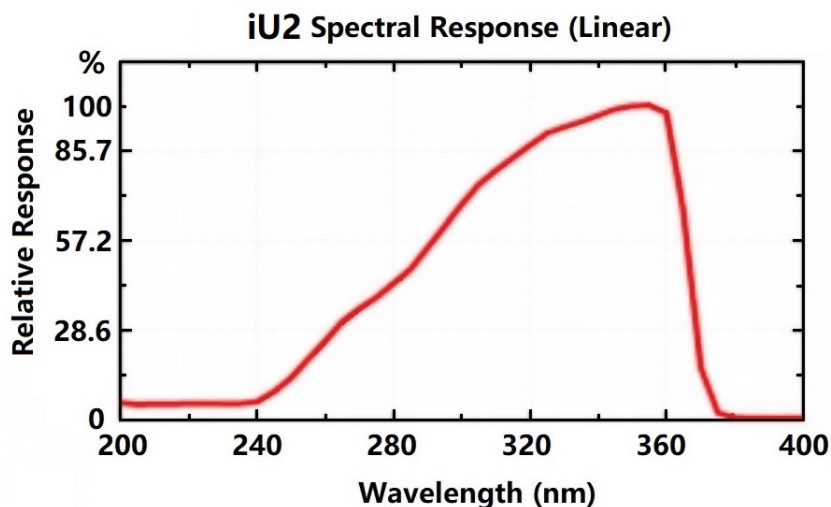
When the device is turned off, press Power button to turn on the unit. Press Power button two seconds to turn off the unit. When the unit is first turned on, it performs 5 seconds countdown for device warm up, then enters normal display. The device updates readings every 2 seconds. The UVA+B radiation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

ULTRAVIOLET INDEX (UVI)

This meter can display the Ultraviolet Index (**UVI**). Users press Power button shortly to switch the UVA+B radiation value and UVI value displays.

UVI	0-2.9	3.0-5.9	6.0~7.9	8.0~10.9	11+
Descripti on	Low danger from the sun's UV rays for the average person	Moderat e risk of harm from unprotec ted sun exposure	High risk of harm from unprotec ted sun exposure	Very high risk of harm from unprotect ed sun exposure	Extreme risk of harm from unprotect ed sun exposure

SPECTRAL RESPONSE



SPECIFICATIONS

UV Specification

UVA+UVB Measurement Range	0 to 30000 $\mu\text{W} / \text{cm}^2$ (30 mW / cm^2)
Spectral Detection Range	240 to 370 nm
Peak point	352 nm
Measurement accuracy	$\pm 4\% \pm 1$ 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 Ultraviolet AB 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 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



www.santacary.com

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

