

Santacary iU2 Ultraviolet AB Light Meter User Manual

The Santacary iU2 Ultraviolet AB Light Meter is a precise instrument that measures user exposure to damaging UV (ultraviolet) radiation.

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. UVA and UVB is the strongest and most damaging to living things. Artificial sources, which produce UV radiation, include tanning booths, black lights, curing lamps, germicidal lamps, mercury vapor lamps, halogen lights, high-intensity discharge lamps, fluorescent and incandescent sources, and some types of lasers.

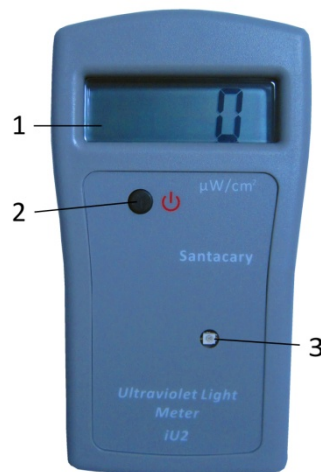
Continued exposure to UV radiation can overwhelm the body's defenses. UV rays can also damage the DNA in the body's cells. User can use the meter to determine UV light intensity and avoid the harmful effects of overexposure.

FEATURES

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

DEVICE

1. LCD display
2. Power button
3. UV sensor



OPERATION

When the device is turned off, press Power button to turn on the unit. Press Power button again to turn off the unit. When the unit is first turned on, it performs 10 seconds countdown for device warm up, then enters normal display. The device updates readings every 2 seconds. The UVA/B radiation Unit is $\mu\text{W}/\text{cm}^2$.

SPECIFICATIONS

UV Specification:

UV Measurement Range	0 to 9999 $\mu\text{W}/\text{cm}^2$
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	67x124x25 mm (2.64x4.88x0.98")
Weight	123 grams (4.34oz.) with batteries

MATERIALS SUPPLIED

- ✧ Santacary iU2 Ultraviolet AB Light Meter
- ✧ Protector Bag
- ✧ English User Manual
- ✧ Two AAA Alkaline Batteries

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

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