Radiometer • UV Index
MODEL 6.5

A Hand Held Digital UV Index Radiometer with Integral Sensor

Applications
- Instantaneous UV Index Measurement
- UV Index Comparison
- UV Index Tracking Over Time

Features and Benefits
- Hand Held Integral Sensor
- Accurate Calibration
- NIST Traceable
- Compact and Durable
- LCD Readout

Sensor
For Reptile or Tanning UV Lamps and Sun

Silicon Carbide (SiC) Photodiode under UV glass window cap, hermetically sealed. Filter: Metal oxide Eeff (erythemally effective) and diffuser.

Meter Operation
To operate your Solarmeter, aim the sensor window located on the top panel of the meter directly at a UV source.

Press and hold the push-button switch on the face of the meter. For best results take note of the distance the reading was taken from the UV source in order to ensure repeatable results.

Battery operation voltage is viable from 9V down to 6.5V. Below 6.5V the numbers on the LCD display will begin to dim indicating the need for battery replacement. Under typical service load a standard 9V battery will last around 2 years.

Proper Usage of Solarmeter® UV Index Radiometer
To obtain instantaneous UV index, the following instructions will provide the most consistent and accurate results:

- Stand clear of buildings, trees, etc. to obtain a “full sky” field of view.
- Hold the meter vertically out in front of your body.
- Press and hold button on the front of the meter. This value represents the instantaneous UV index.
- The highest UVI values typically occur when the sky is a deep blue color, and sometimes when the sun is between scattered white “puffy” clouds. Take extra precaution under these conditions to reduce sunburn

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potential.

Note that various cloud and haze conditions reduce the UV index. When partly cloudy, take readings often and average clear with cloudy readings to correlate with actual UV index. Take care in hazy or slightly overcast conditions because, although the direct UV reads less than when sky is clear, the diffuse UV can be higher as seen by pointing the meter in various directions.

- Do not subject the meter to extremes in temperature, humidity, shock or dust.
- Use a dry, soft cloth to clean the instrument. Keep sensor free of oil, dirt, etc.

Specifications	
Irradiation Range	0-199.9 UV Index
Response	280-400nm Diffey Erythemal Action Spectrum
Resolution	0.1 UV Index
Conversion Rate	3.0 Readings/Sec
Display	3.5 Digit LCD
Digit Size	0.4 inch High
Operation Temperature	32° F to 90° F
Operation Humidity	5% to 80% RH
Accuracy	±10% to NIST Ref. Meter
Dimensions	4.2L x 2.4W x 0.9D (in.)
Weight	4.5 OZ. (Including Battery)
Power Source	9-Volt DC Battery
Lens	UV Glass
Ordering Information	
Model 6.5	UV Index Radiometer

SM/Sensors/Model 6.5 UV Index_09/2015

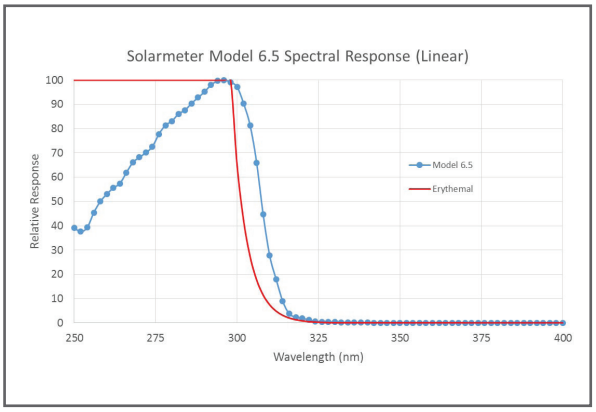

Fig. 1. Model 6.5 UV Index