

# Phoseon UV LED Radiometers

## Product Datasheet



### UV Power Meter Optimized for Measuring Irradiance of SLM Technology

As the world leader in delivering high power, UV-LED technology, Phoseon Technology pioneered the Semiconductor Light Matrix (SLM™). SLM™ technology combines an array of light emitting semiconductor devices, with high tech micro optics and micro cooling in a cost-effective MOEMS (micro opto electro-mechanical system) package. Phoseon's UV Power meter is the right tool for monitoring the irradiance of SLM systems and offers the the following features and benefits:



#### FEATURES/BENEFITS

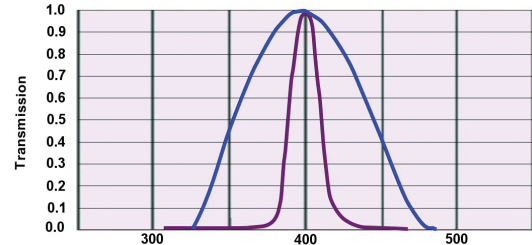
Optimized sensor for 380-420nm wavelength

Two Configurations:

- 1) Measure peak irradiance in fixed locations, and
- 2) Measure peak irradiance and dose while in motion

Option to measure temperature and capture data on SD card

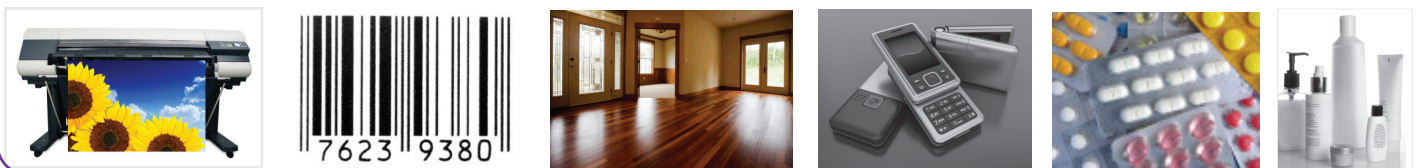
Calibration traceable to reference standard



Phoseon's UV Radiometer sensor has been optimized to detect UV Light in the 380-420nm wavelength range.



#### APPLICATIONS

Phoseon products are successfully curing inks, coatings and adhesives in many demanding applications today. Here are a few examples:

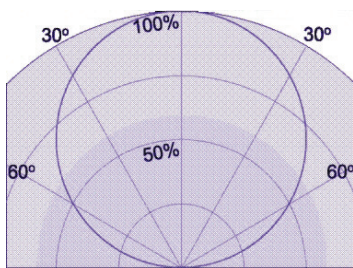


# RADIOMETER DATASHEET

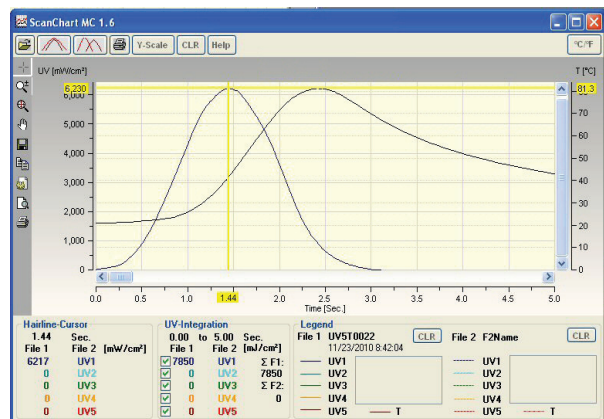
## SPECIFICATIONS

Radiometer	Maximum Irradiance	Dimensions/Weight	Additional Specifications & Options
<p>Measurements made in fixed location</p> 	<p>5W/cm<sup>2</sup> (Resolution 5mW/cm<sup>2</sup>)</p>	<p>140 x 70 x 13mm 7.1oz (0.2kg)</p>	<p>No additional options</p>
<p>Measurements made while in motion</p> 	<p>20W/cm<sup>2</sup> (Resolution 20mW/cm<sup>2</sup>)</p>	<p>140mm Diameter x 13mm 17.5oz (0.5kg)</p>	<p>Sample Rate: up to 1700/sec Base accuracy: +/-5% Operating with SD card: 50/sec Temperature: 32-113°F (0-45°C) Battery: Rechargeable 2x3.7V LiPO Accu cells</p> <p>Options: Extra sensor to measure temperatures from 32-245°F (0-120°C)</p> <p>SD Memory Card to store data for evaluation using custom software or export as text.</p>

## UV MEASUREMENTS



The measurements are not effected by the angle of the incident light (cosine error).



SD Memory Card data showing temperature and peak irradiance profile during scan.

Interested in integrating our technology? Phoseon can tailor a solution for your particular integration needs. Please contact us to discuss your specific requirements.

