

Solar Light's [Model PMA2174 Digital Quadrant Sensor Assembly](#) is designed specifically for use with Homogenizer-Equipped Multiport[®] Solar Simulators, such as Multiport[®] Models 601-300 and 601-150. The sensor may be used with any Solar Light PMA-Series Radiometer or DCS-Series Automated Dose Controller to determine beam uniformity in compliance to the applicable ISO and FDA regulations.

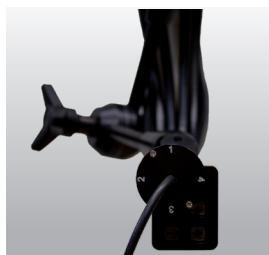


Applications

- *In Vivo* UVA and SPF Testing

Features and Benefits

- ISO 24444:2019 Compliant
- High Sensitivity
- Excellent Long-term Stability
- NIST Traceable Calibration
- Radiometric Units



SPECIFICATIONS	
Spectral Response	280-400nm, Follows Figure 1
Range	200 [mW/cm ²] or 2,000 [W/m ²]
Display Resolution	0.001 [mW/cm ²] or 0.01 [W/m ²]
Operating Environment	32 to 120°F (0 to +50°C)
Temperature Coefficient	Negligible
Cable Length	6 ft Straight Cable (1.82m)
Dimensions and Weight	*See outline drawing

Part Number: 210138

Revision Level: C

Specifications subject to change without notice.

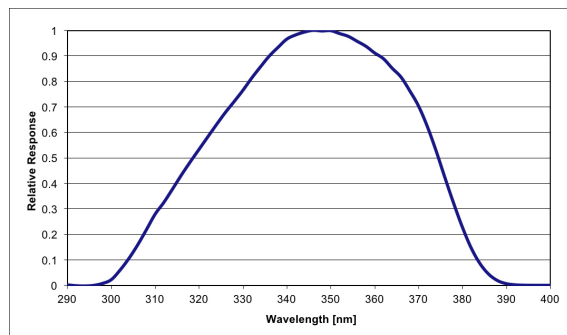


Fig. 1. Linear Spectral Response

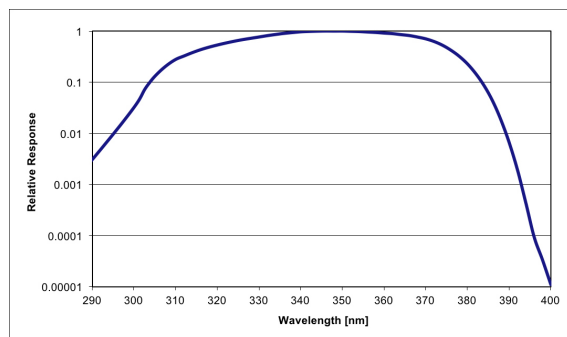


Fig. 2. Log Spectral Response

Since 1967, Solar Light Company, LLC has been recognized worldwide as America's premier manufacturer of Precision Solar Simulators and Light Sources, Light Measurement Instrumentation, UV Transmittance Analyzers, Meteorological Instrumentation, and Digital and Analog Sensors. Our advanced line of UV, visible, and IR radiometers and light meters measure laboratory, industrial, environmental, and health related light levels with NIST traceable accuracy. Column ozone, aerosol, and water vapor thickness measurements, in addition to long-term global ultraviolet radiation studies all over the world are performed using our atmospheric line of instrumentation. Solar Light also provides NIST traceable spectroradiometric analyses, calibrations for light meters and light sources, accelerated ultraviolet radiation degradation testing of materials, and OEM instrumentation and monitors. Please visit our website for more details, specifications, and pictures!



State Of The Art Solar Simulators available in 150-1000+ watt UV or AM variations for a variety of applications including PV Cell Testing, Materials Testing, Pre-Irradiation for *In Vitro* Broad Spectrum Sunscreen Testing, SPF Testing, and much more.



Multi-Functional Professional Grade Radiometers available with and without data logging, and compatible with over 130 Solar Light PMA-Series Sensors to measure UV, Visible and IR wavelengths. Specialty Meters also available to measure UV Radiation, SUV/UVA, Scotopic/Photopic Spectra, and much more.



Advanced NIST-Traceable Sensors for accurate measurement of UVA, UVB, UVA+B, UVC, Visible, IR, Photostability, Temperature, and Custom Wavelength – well over 130 models in both digital and analog configurations, all compatible with our Radiometers.



Ultraviolet Transmittance Analyzers available as complete integrated turnkey systems to meet the latest ISO24443 requirements.



Handheld Ozonometers and Sunphotometers for fast and dependable Column Ozone, Aerosol, and Water Vapor Thickness measurements, in addition to long-term global ultraviolet radiation studies.