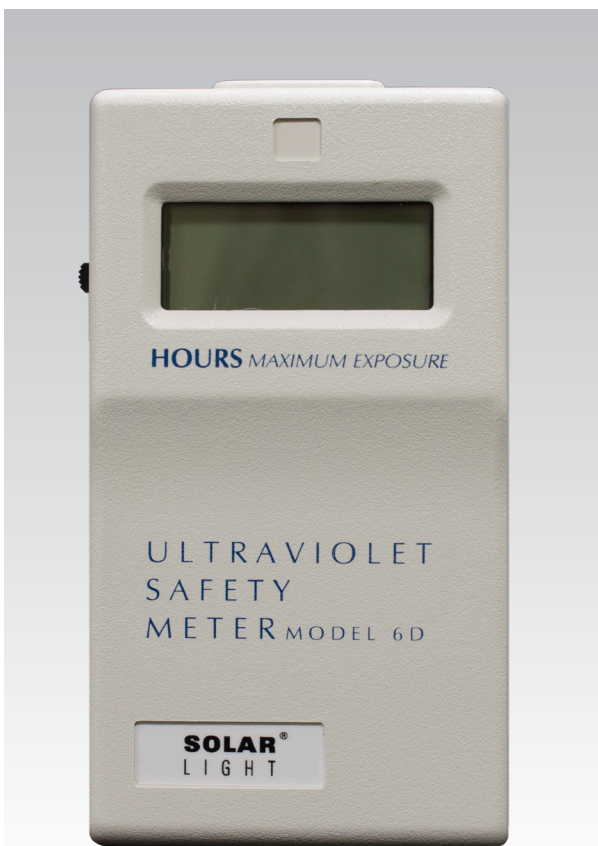


Solar Light's **Model 6D UV Safety Meter** is a valuable safety tool for any industry that involves worker exposure to UV radiation. This handheld industrial grade instrument measures local radiation to quickly and accurately provide users with the safe exposure time based on American Conference of Governmental Industrial Hygienists (ACGIH) Recommendations. The ACGIH states that the total UV exposure in an eight-hour period should not exceed 3 mJ/cm<sup>2</sup> at 270nm. The 6D UV Safety Meter monitors the integrated effect of all ultraviolet wavelengths from the light source. It is small, lightweight, and very easy to use. The 5 digit LCD display will show the maximum safe exposure time from 0.03 hours to a maximum of 10 hours, which indicates a UV source too weak to reach the Threshold Limit Value during an 8 hour working day.



### Applications

- Environmental Monitoring
- UV Curing
- Semiconductor Fabrication
- Printing
- Welding

### Features and Benefits

- Measures UV Radiation and Provides Safe Exposure Time Based On ACGIH Recommendations
- NIST-Traceable Accuracy
- High Sensitivity
- Compact, Lightweight, and Portable
- Rugged Carrying Case Included
- Made in USA



SPECIFICATIONS	
Detector Inputs	One
Spectral Range	250 to 400nm
Readout Range	0.03 Hours to 10 Hours
Viewing Angle	60° Degrees
Operating Environment	32 to 120°F (0 to +50°C)
Power Source	9 Volt Alkaline Battery
Battery Life	300 Hours
Program Control	Single Button
Size WxDxH	6 x 3.2 x 1.5" (15 x 8 x 3.8 cm)
LCD Size	5 Digit
Weight	7 oz. (200 grams)

Part Number: 210081

Revision Level: B

Specifications subject to change without notice.

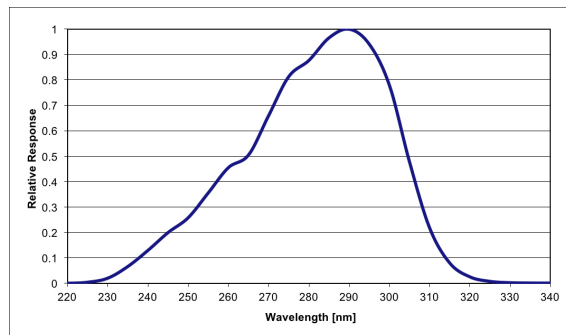


Fig. 1. Linear Spectral Response

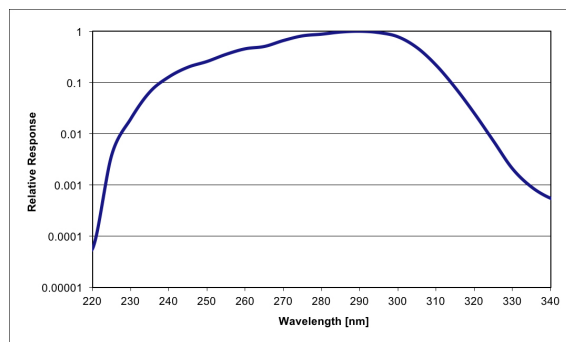


Fig. 2. Log Spectral Response

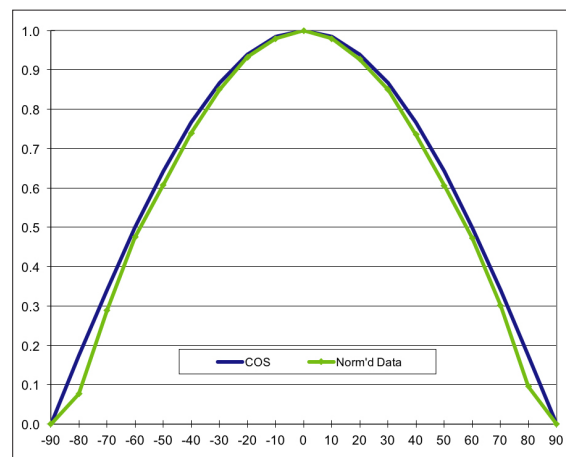


Fig. 3. Cosine Response

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.