

# UV SolarMeters

Affordable radiometric systems for fast, accurate measurement of environmental and lamp operating conditions



Three palm-sized precision instruments measure UV light for a variety of applications. Each unit incorporates a semiconductor UV sensor consisting of a GaAsP photodiode chip and UV filter. The sensor is completely insensitive to visible light longer than 400nm and infrared radiation.

- Solar 5.0 measures total UV-A and UV-B (285-390 nm) and provides LCD readout in mW/cm<sup>2</sup>. Ideal for evaluating UV lamp intensity during its life span.
- Solar 6.0 measures UV-B (280-320 nm range) and provides LCD readout in mW/cm<sup>2</sup>. Ideal for determining lamp UVB intensity and acrylic transmission.
- Solar 6.5 measures environmental (outdoor) solar intensity and provides LCD readout in mW/m<sup>2</sup> DUUV/25 (the WMO international standard for displaying erythemally weighted irradiance on a 1-15 scale).

Use the UV Solarmeter to detect potential hazards to workers. Point the meter at the UV light source (leakage), record reading, and compare to chart to determine the number of hours of permissible ultraviolet exposure. Additional applications include: Eyewear UV Block Comparison, UV Lamp Aging Tests, and the spectral response is well matched for Solar UV Detection.

All three instruments are calibrated to accuracy standards referenced to NIST.

### SPECIFICATIONS:

- Irrad. Range: 0-199.9 mW/cm<sup>2</sup> Total UV
- Resolution: 0.1 mW/cm<sup>2</sup>
- Conv. Rate: 3.0 Readings/Sec
- Display: 3.5 Digit LCD
- Temp Coef: +/- 0.1 mW/cm<sup>2</sup>
- Oper. Temp: 32F to 120F
- Accuracy: +/- 5%
- Dimensions: 4.2"L x 2.4"W x .9" D
- Weight: 4.5 oz
- Power Source: 9 Volt DC Battery
- Lens: UVT Acrylic .030
- Diffuser: Virgin Teflon .005
- Calibration to NIST (NBS) Standards

ITEM NO.	DESCRIPTION
M007-054	SOLAR 5.0 RADIOMETER
M007-073	SOLAR 6.0 RADIOMETER
M007-072	SOLAR 6.5 RADIOMETER



## 24-HOUR PRODUCT SERVICES

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