

# UV Hazard Meters

Establish employee safety and UV exposure records with these hand-held UV radiation detection instruments



## UV SOLARMETER

This low-cost, precision instrument measures light from 285nm to 390 nm to detect potential environmental UV exposure hazards. The semiconductor UV sensor consists of a GaAsP photodiode chip and UV filter, and is completely insensitive to visible light over 400nm and infrared radiation.

To use, point the meter at the UV light source (leakage), record the reading, and compare the reading to the supplied exposure chart to determine the number of hours of permissible ultraviolet exposure. Additional applications include: eyewear and UV block comparison, UV lamp aging tests, and solar UV detection.

Item No.	Description
M007-054	UV SOLARMETER

### Specifications:

• Irrad. Range:	0-199.9 mW/cm <sup>2</sup>	• Accuracy:	+/- 5%
• Response:	285-390nm (UVB/UVA)	• Dimensions:	4.2"L x 2.4"W x 9" D
• Resolution:	0.1 mW/cm <sup>2</sup>	• Weight:	4.5 oz
• Conv. Rate:	3.0 Readings/Sec	• Power Source:	9 Volt DC Battery
• Display:	3.5 Digit LCD	• Lens:	UVT Acrylic .030
• Temp Coef:	+/- 0.1 mW/cm <sup>2</sup>	• Diffuser:	Virgin Teflon .005
• Oper. Temp:	32°F to 120°F	• Calibrated to NIST Standards	



## HAND-HELD UV HAZARD METER

The maximum exposure time an individual can be safely subjected to UV radiation is identified as the "threshold limit value", or TLV. The Hand-Held UV Hazard Meter's digital display indicates the number of exposure hours to reach the TLV for the UV source being measured. A reading above 8 hours indicates there is no hazard in a working day.

The potential hazard can be determined simply by pointing the meter at the UV source. A self-contained unit, it covers most of the spectral range included in the NIOSH standard.

### Specifications

• Power:	9V alkaline battery (NEDA #1604A) Life: 200 hours.
• Field of View:	56° from each side of the normal to the detector.
• Size:	5-1/2"L X 3-3/8"W X 1-3/8"H (14 x 8 x 3.5cm)
• Weight:	0.5 lbs (220 grams)
• Readout Range:	0 to 10.00 hours.

Item No.	Description
M007-051	HAND-HELD UV HAZARD METER

## 24-HOUR PRODUCT SERVICES

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