

For over 50 years, OAI has been recognized as a World Leader in UV Measurement Instruments and Precision Lithography Equipment.

Model 308 UV Light Meter

OAI Model 308 UV Light Meters: Dependable and Repeatable

The OAI Model 308 UV Light Meter is a dependable precision instrument that measures UV Light Intensity. Perfect for a variety of industries and applications, the Model 308 is designed for any situation where precise reliable UV Measurements are required. The Model 308 is a hand held UV Intensity Light Meter which features detachable probes for use in the UVA, UVB, and UVC ranges. A high speed serial port for data logging is offered as an option.

Accuracy of the meter and probe are within $\pm 3\%$ of NIST traceable standards. This easy to use meter is both auto ranging and linear from 0.1 to 1,999.9 milliwatts/cm² with the appropriate probes. Other features of the battery operated Model 308 are: An easy to read LCD display which consumes very little power, a Peak Hold Switch which enables the user to capture and maintain the maximum intensity reached during an exposure, and a Hold Mode which retains the current reading. The meter is both ROHS2 and CE compliant. Also available is High Intensity and High Temperature 308 UV Light Meters for high temperature environments and curing. OAI calibrates and services their UV Meters worldwide.

Detachable Probes Matched to Specific Spectral Regions

The Model 308 Intensity Meter is available with a family of calibrated detachable probes having spectral responses peaked in the UVA Range (325, 365, 380, 400, 420, 436, and 540nm), the UVB Range (310 nm) and UVC Range (220, 248, 253.7, and 260 nm). Each detachable probe employs an ultra-stable silicon detector and special filters that precisely shape the spectral response. For ease of use, probes are calibrated for direct reading without additional adjustment and give repeatable results on any 308 meter. Standard Probes are available up to 1,999.9 milliwatts/cm². High Intensity Probes are available up to 7,500 mW/cm².

High Speed Port for Data Logging and Software Available

Optional data logging software is available to use with the high speed serial data port. This software package allows the user to download data to a computer and record intensity, mode, time, wave length, serial numbers of the probe and meter, and date for calibration. Data can be saved and further analyzed using an Excel program.

Special Features

- RoHS2 and CE Compliant
- Detachable single or dual wavelength probes
- Auto ranging, digital display
- Light intensity measured in milliwatts/cm²
- Accuracy is traceable to NIST
- High speed port available for data logging
- Optional data logging software



www.oainet.com • sales@oainet.com



Meter Specs

Models	Model 308	High Temp. Model 308HT	High Intensity Model 308T
Display range mW/cm ²	0.1-1,999.9	0.1-1,999.9	0.1-7,500
Relative Accuracy in mW/cm ²	Gain IO is $\pm 0.5\%$ above 13.6 mV Gain I $\pm 0.5\%$	Gain IO is $\pm 0.5\%$ above 13.6 mV Gain I $\pm 0.5\%$	Gain IO is 0.5% above 51 mV Gain I $\pm 0.5\%$
Linearity	0-275 $\pm (.002\%$ of reading) mW/cm ² 275-2,000 $\pm .300$ mW/cm ²	SAME AS 308 Meter	0-1031 $\pm (0.002\% + .11142)$ mW/cm ² 1,031-7500 ± 1.125 mW/cm ²
Interchangeable Probes	Standard 308 Probe Probe with handle up to 1,999.9 mW/cm ²	308HT Probe with intensity range up to 1,999.9 mW/cm ²	308T Probe with intensity range up to 7,500 mW/cm ²

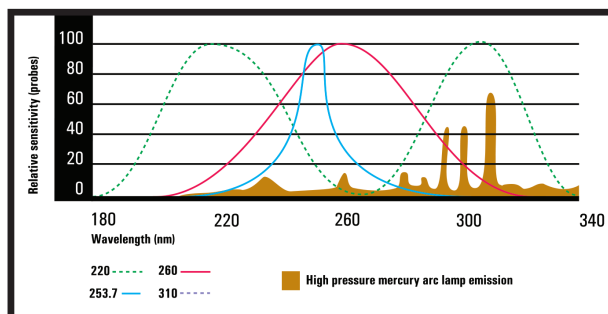
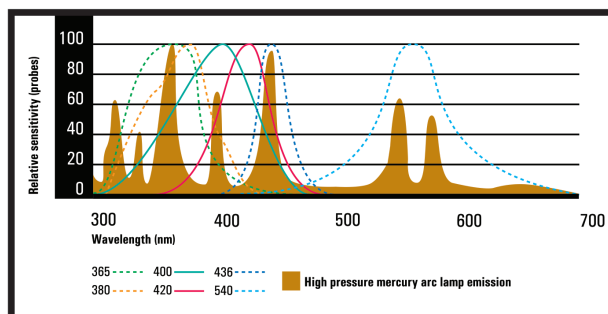
Specs for all meters

Power	9V battery (1)
Dimensions	4.4" w x 7.7" h x 1.25 d
Weight approx.	10 oz.
Meter & probe accuracy	$\pm 3\%$

Specs for all probes

Relative accuracy	$\pm 2.5\%$ of OAI Standards*
Sensor material	Silicon (UV enhanced)
Filter	Multi-layer or dielectric filter absorption glass
Dimensions	1.75" diameter x 0.63" thick
Weight	3 oz. approx.
Cable length	4 ft.
Probes over 2W/cm ²	Call OAI for info.

Probe Spectral Response Curves



464 South Hillview Drive • Milpitas, CA, 95035
 Phone: 408-232-0600 • Toll free: 800-843-8259
 Fax: 408-433-9904 • Email: sales@oainet.com
www.oainet.com

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