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A world leader in UV Measurement, Instruments and Precision Equipment

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APPLICATIONS

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The Model 306 UV Meter has been discontinued. OAI will continue to service and calibrate all Model 306 Meters. The replacement is Model 308 UV Light Meter. It matches all readings of the 306 meter, is easy to make wavelength changes with detachable probes, and has a USB computer interface.

Model 308

Handheld UV Light Meter



Dependable and repeatable, The OAI Model 308 UV Light Meter is precise, direct-reading instrument designed to measure UV light intensity. The Model 308 features detachable probes for use in the UVA, UVB and UVC ranges, plus a high speed serial port and is available with an optional software package that facilitates instant data logging of intensity mode, time, wave length, serial number and calibration due date.

The Model 308 UV Light Meter is used in photolithography, 3D Printing, Packaging, UV Curing & Sterilization..

Accuracy of this UV Light Meter meter is within $\pm 3\%$ and measurement repeatability is within ± 3 LSB (least significant bit). Like all OAI precision instruments, the Model 308 provides NIST traceable measurements. This easy-to-use light meter is auto-ranging from 0.1 to 1999.9 milliwatts/cm² full scale when used with the 2000 milliwatts/cm² probe. The linearity of the UV Light Meter in this range is at least $\pm (.002\% + 6 \text{ LSB})$.

Power for the Model 308 Light Meter is supplied by a 9V alkaline battery, and the easy-to-read LCD display consumes very little power for extended battery life. This easy to use UV Light Meter features a peak hold switch enabling the user to capture the maximum intensity reached during an exposure while retaining the reading on the display. OAI maintains a Calibration Laboratory to ensure that all products continue to meet specifications.

Model 308 UV Light Meter is available with a family of calibrated detachable probes having spectral responses peaked in the UVA range at 365, 380, 400, 420, 436, and 540nm, the UVB range at 310nm and UVC range at 220, 253.7, 260nm. Each detachable probe employs an ultra-stable silicon detector and special filters that precisely shape the spectral response. For added ease-of-use, probes are calibrated for direct reading without any additional adjustment. In cases where the measurements are to be performed in environments having significant infrared (IR) radiation levels, OAI can supply an optional high-intensity, high-temperature, detachable probe.

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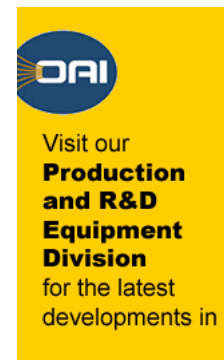
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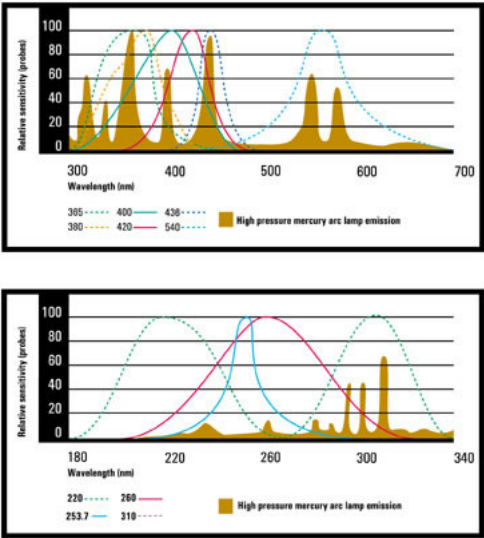
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**New
Photolithography
UV Intensity
Light Meters
Datasheet**



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APPLICATIONS Include:
 Perfect for a wide variety of industries where the precision measurement of UV Light is essential, the Model 308 is designed for any application requiring repeatable, reliable UV measurement.

- Lithography
- UV Curing
- 3D Printing
- Microfluidics
- MEMS
- Sterilization
- Medical

SPECS

Relative Accuracy	±(.042% of reading +.450 mw/cm ²)*
275-2000 mw/cm² range	±(.089% of reading +.0545 mw/cm ²)*
0-275 mw/cm² range	
Linearity	±(.002% of reading +.0297 mw/cm ²)
0-275 mw/cm² range	
Linearity	range ±.300 mw/cm ²
275 - 2000 mw/cm²	
Display Range	0.1-1,999
Power	9V battery (1)
Dimensions	4.4"w x 7.7"h x 1.25"d
Weight	10 oz. (approx.)
Meter + Probe Accuracy	±3%

DETACHABLE 2w/cm² PROBES

Relative Accuracy	±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 2 w/cm²	Contact OAI for more information

*NIST Traceable

FEATURES

- RoHS 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 serial port for data logging

OPTIONS

- Optional data logging software for mode, time, wave length, serial numbers and calibration due date.
- Data downloads to an Excel file for analysis

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