For over 40 years, OAI is a world leader in UV Measurement Instruments and Precision Equipment

Model 308 UV Light Meter



Special features

- RoHS and CE Compliant
- Detachable single or dual wavelength probes
- Auto ranging, digital display
- Light intensity measured in milliwatts/cm^2
- Accuracy is traceable to NIST
- High speed port available for data logging
- Optional data logging software

OAI Model 308 UV Light Meter: Dependable & Repeatable

The OAI Model 308 UV Light Meter is a dependable instrument designed for measuring UV light intensity. Perfect for a wide 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 is within +/- 3% and is NIST traceable. This easy to use meter is both auto ranging and linear from 0.1 to 19,999 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 allows one to retain the current reading. The meter is both ROHS and CE compliant. Also available is the High Intensity, High Temperature 308 UV Light Meter for high temperature environments and curing. OAI calibrates and services their UV meters world wide.

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 (365, 380, 400, 420, 436, and 540nn), the UVB Range (310 nm) and UVC Range (220, 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 milliwatts/cm2. High Intensity Probes are available up to 7,500 mw/cm2.

High Speed Port for Data Logging & 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.

Model 308 UV Light Meter

Relative Accuracy - Model 308
0-275 mw/cm^2 range ±(.089% of reading +.0545 mw/cm^2)*
275-2000 mw/cm^2 range ±(.042% of reading +.450 mw/cm^2)*

Relative Accuracy - Model 308T High Intensity
0-1030 mw/cm^2 range ±(.089 of reading + .20427 mw/cm^2)
1031-7500 mw/cm^2 range ±(.042 of reading + 1.6875 mw/cm^2)

Linearity - Model 308
0-275 mw/cm^2 range ±(.002% of reading +.0297 mw/cm^2)
275 - 2000 mw/cm^2 range ±.300 mw/cm^2

Linearity - Model 308T High Intensity
0- 1030 mw/cm^2 range ±(.002 of reading + .11142 mw cm^2)
1031-7500 mw/cm^2 range ±(1.125 mw/cm^2)

Display Range Model 308	0.1-1,999
Display Range Model 308T	0.1-7,500
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/cm^2 Probes for Model 308

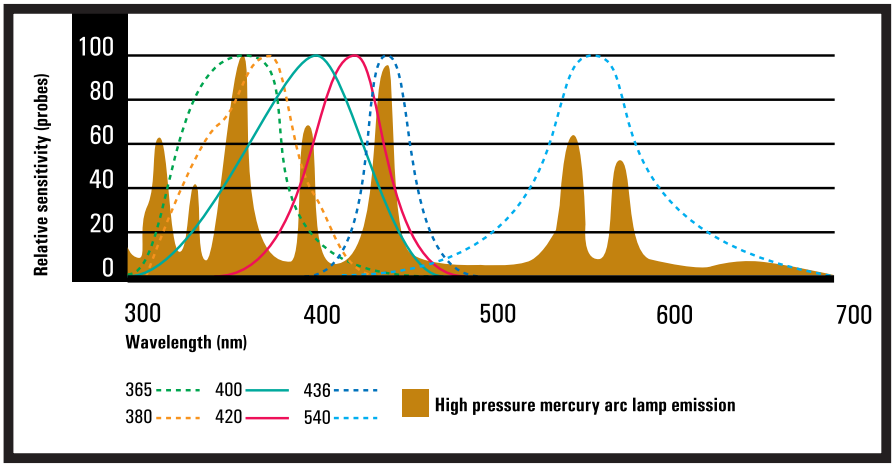
Relative Accuracy	±2.5% of OAI standards*
Sensor Material	Silicon (UV enhanced)
Filter	Multi-layer or dielectric filter absorption glass
Dimensions	1.75" diameter x 0.63" thick
Weight	3 oz. (approx.)
Cable Length	4 ft.
Probes over 2 w/cm²	Contact OAI for information

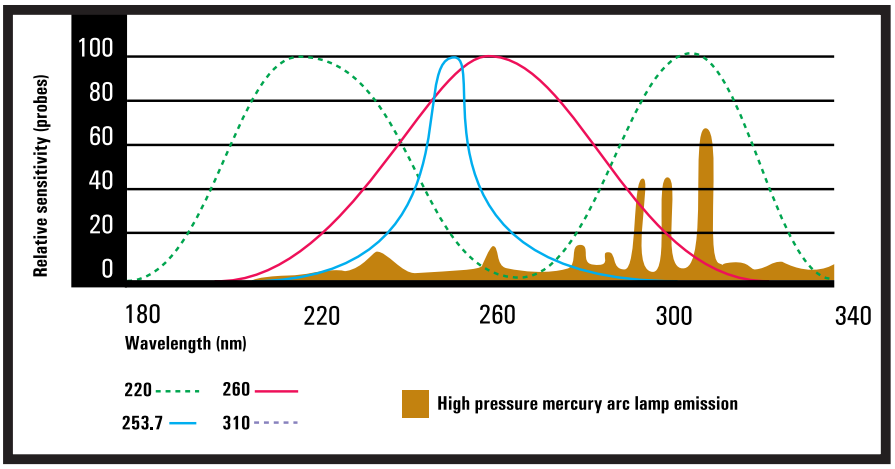
**NIST Traceable*

Detachable probes for Model 308T

High Intensity same as above plus:

- Internal temperature accuracy ±2.4ºC for 0º-100ºC.
- Temperature resolution 0.1ºC





Probe Responses: Model 308 and Model 308T

Choice of OAI standard probes

Deep UV 220nm
Deep UV 253.7nm
Deep UV 260nm
Deep UV 310nm
Near UV 365nm
Near UV 380nm
Near UV 400nm
Near UV 420nm
Near UV 436nm
Near UV 540nm

HKMedQC
Wellcome Technology Co., Limited

Email:ivylin@hkmedqc.com
web:http://www.hkmedqc.com
19H Maxgrand plaza,No.3 Tai Yau Street, San Po Kong,Kowloon,hk