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APPLICATIONS

- Photolithography
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Model 308T

Handheld UV High Intensity Light Meter with Hi Intensity Probe for UV Curing



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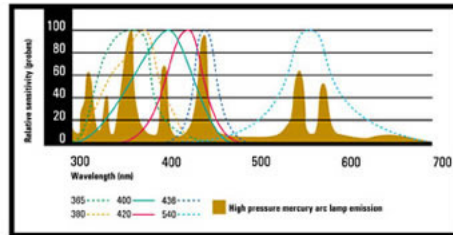
Built for high intensity applications the NEW OAI Model 308T UV Light Meter is a dependable, direct-reading instrument designed for measuring UV light intensity for UV curing.

The Model 308T features detachable probes for use in the UVA, UVB and UVC ranges, plus a high speed serial port.

Accuracy of the meter is within ±3% and measurement repeatability is within ±3 LSB (least significant bit). Like all OAI precision instruments, the Model 308T provides NIST traceable measurements. This easy-to-use 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 meter in this range is at least ±(.002% + 6 LSB).

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

Detachable probes matched to specific UV curing spectral regions The OAI Model 308T 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, detachable probe. These probes use special heat resistant optics, probe housing and electrical



APPLICATION

Perfect for High Intensity UV Curing Exposure Systems

SPECS

Relative Accuracy	
275-2000 mw/cm² range	±(.042% of reading +.450 mw/cm ²)*
Relative Accuracy	
0-275 mw/cm² range	±(.089% of reading +.0545 mw/cm ²)*
Linearity	
0-275 mw/cm² range	±(.002% of reading +.0297 mw/cm ²)
Linearity	
275 - 2000 mw/cm²	range ±.300 mw/cm ²
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

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