For over 50 years, OAI has been recognized as a world leader in UV Measurement Instruments and Precision Lithography Equipment

Model 659 UV Light & Energy Meter



- Can be used with any Wafer Stepper
- Extremely accurate and reliable
- Perfect for High Intensity Wafer Steppers
- Easily download measurements
- Range of up to 7,500mW/cm^2
- Memory up to 400 measurements
- ROHS2 and CE compliant

Probes

- Designed for each individual stepper to fit on the stage of the stepper
- Probe wavelengths (nm) 365, 400, 420, 436
- Multi-layer absorption dielectric filters
- Interchangeable with any OAI Model 659 Meter

The Model 659 UV Light and Energy Meter for All Wafer Steppers.

For more than half a century, OAI has been a leader worldwide in UV Light and Energy Measurement Instrumentation. This meter gives reliable, accurate calibrated control of the photolithography processes in the Semiconductor, MEMS, Wafer Packaging and Wafer Bumping Industries.The Model 659 is an advanced UV Exposure Analyzer specifically designed for use with all Wafer Steppers including High Intensity Wafer Steppers. This meter stores up to 400 exposure readings, has Ethernet and USB interface for downloading recorded measurements, and has intensity range of up to 7,500mW/cm^2. Probes are available in wavelengths of 365nm, 400nm, 420nm and 436nm. OAI has a complete certified calibration lab to maintain the performance, quality and reliability of our meters. The Model 659 Meter is traceable to NIST standards, and is ROHS2 and CE Compliant.

Specifications: OAI Model 659 UV Light and Energy Meter

Meter Specifications

User Interface	Touch screen
Computer Interface	Optional ethernet and USB for downloading recorded measurements
Power	Battery Operated with rechargeable 3.7V Lithium Ion with charge protection
Charger Power	110-240 VAC
Display Setup	Two Screens 1. Setup screen - ethernet address, date, and time 2. Run screen - wavelength, intensity, time, dose, probe temperature, probe type, percent of deviation, serial number, calibration due date, battery status, probe serial number, and charger status
Memory Storage	Up to 400 readings
Intensity Range	Up to 7,500mW/cm^2
Intensity Resolution	0.01mW/cm^2
Dose Range	Up to 1000 J/cm^2
Dose Resolution	0.01mJ/cm^2
Time Range	Up to 9999 seconds
Time Resolution	0.0001 seconds
Minimum Dose Exposure	25 ms
Dimensions	14”x8.25”x3.5”
Weight	3.5lbs.
Operating Environment	15°-40°C
Compliance	ROHS2 and CE (EMD and Safety)

Probe Specifications

Probe Detector	Silicon photodiode
Available Wavelengths (nm)	365, 400, 420, 436
Filters	Multilayer absorption/dielectric
Intensity Range	Up to 7,500mW/cm^2
Interchangeability	Any Model 659 probe can be used with any Model 659 Meter
Compliance	ROHS2 and CE (EMD and Safety)

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