

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

Model 656 UV Light & Energy Meter

For use with ALL Contact/Proximity Mask Aligners and Flood Exposure Systems



- Use with Contact/Proximity Aligners
- Extremely accurate and reliable
- Easily download measurements
- Range of up to 2,000 mW/cm²
- Memory up to 400 measurements
- ROHS2 and CE compliant

Probes

Probe wavelengths (nm)
220, 248, 254, 260, 310,
325, 365, 380, 400, 420, 436
and 540

Multi-layer absorption
dielectric filters

For more than half a century, OAI has achieved a world leadership position in UV Light and Energy Measurement Instrumentation used for reliable accurate calibrated control of the photolithography processes in the Semiconductor, MEMS, Wafer Packaging and Wafer Bumping Industries. The New Model 656 is an advanced UV Exposure Analyzer specifically designed for use with Contact/Proximity Mask Aligners and Flood Exposure Systems. This meter stores up to 400 exposure readings, has Ethernet and USB interface for downloading recorded measurements, and has intensity range of up to 2,000 mW/cm². Probes are available in wavelengths 220nm, 248nm, 260nm, 310nm, 325nm, 365nm, 380nm, 400nm, 420nm, 436nm and 540nm. OAI has a complete calibration lab to maintain the performance, quality and reliability of our meters. The Model 656 Meter is traceable to NIST standards and is ROHS2 and CE Compliant.





Specifications:

OAI Model 656 UV Light and Energy Meter for Contact/Proximity Aligners

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 <ol style="list-style-type: none">1. Setup screen - ethernet address, date, and time2. 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 2,000mW/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	220nm, 248nm, 254nm 260nm, 310nm, 325nm, 365nm, 380nm 400nm, 420nm, 436nm and 540nm.
Filters	Multilayer absorption/dielectric
Intensity Range	Up to 2,000mW/cm ²
Interchangeability	Any Model 656 probe can be used with any Model 656 Meter
Compliance	ROHS2 and CE (EMD and Safety)

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