



scientific research,  
photobiology, biomedical,  
solar cell testing,  
cosmetic testing, paints  
and coatings analysis

# PV & I-V Integrated Measurement Systems



## Class AAA Solar Simulator, I-V Tester & Test Fixture

OAI's PV & I-V Integrated Measurement System combines a highly collimated light source with a powerful measurement tool. Depending on configuration, the solar simulator lamp power ranges from 500W-10,000W and can be supplied with a range of air mass filters to simulate the sun's spectra. OAI's proven lens and mirror technology allows for a wide range of exposure areas with Class AAA Certification.

With Advanced Uniform Beam Optics and filter technology, these solar simulators can accurately focus and reflect the desired energy and match spectral output to the user's requirements. The systems are configured as continuous wave or Single Long Pulse (SLP) versions. Filter sets are also available for special applications.

The OAI I-V Tester features an easy to use, self-calibrating design with configurable parameters and scripting capabilities. Test results port easily into a database. This tester is configured with a thermal test fixture. OAI I-V Tester and I-V Rider Software are available as a stand-alone option.

Based on over 35 years of proven light source technology, OAI's family of PV and Solar products deliver repeatable, reliable, cost effective solutions for a wide range of solar simulation and testing. Other OAI solar products include Solar Simulators for DSSC & Organic, Multi-junction, CPV, Calibrated Reference Cell, Solar Power Meter, I-V Rider Software and accessories. All products are backed by OAI's worldwide service and support network.

## Solar Simulator

- ◆ Class AAA Certified
- ◆ Small footprint
- ◆ Continuous Wave & SLP
- ◆ Full beam coverage of cells measuring to 208mm
- ◆ Long working distances

## I-V Tester

- ◆ Configurable parameters
- ◆ Scripting capabilities
- ◆ Self-calibrating design
- ◆ Integrates to databases
- ◆ Thermal controlled test fixture

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