

OAI User Manual



University of Notre Dame

Contacts

For problems, clarifications of procedures, or general information pertaining to this machine, please contact lab staff at staff-ndnf-list@nd.edu

OAI User Manual

This page intentionally left blank.

OAI User Manual

1. On the power supply, push up on the main circuit breaker in the upper left corner.
2. Start the lamp by pushing in the “Start” rocker switch.
3. Wait 10 minutes for the lamp to warm up.
4. Flip on the power to the Exposure Timer located in the back of the unit.
5. If desired, measure the lamp power output.
 - a. Open the side access panel, by removing one screw and loosening the second.
 - b. Place the optical sensor through the access panel and onto the stage.
 - c. Turn the power meter on.
 - d. On the Exposure Timer, press “Lamp Test” to open the shutter.
 - e. Give the meter a few seconds to stabilize and read the measured light intensity.
 - f. On the Exposure timer, press “Reset” to close the shutter.
 - g. Turn off the optical sensor.
 - h. Carefully remove the sensor from the stage.
 - i. Replace the access cover and finger tighten both screws of the cover.
6. Turn on Stage Rotation by the rocker switch near the lower back of the unit.
7. Open the drawer and place your sample(s) on the stage.
8. Set time on Exposure Timer.
 - a. Exposure Timer has two scales.
 - i. 0-100(99.9) seconds
 - ii. 0-1000(999.9) seconds.
9. Press Expose and wait till exposure is done.
10. Repeat steps 7-10 for as many samples as you have.
11. Turn off Table Rotation.
12. Turn off the Exposure Timer.
13. Turn off the Power Supply.