

The background features a large, stylized hexagonal shape composed of concentric, slightly offset layers in shades of light green and light gray. In the center of this graphic is a circular warning icon. The icon consists of a green triangle with a white exclamation mark inside, set against a background of radiating green lines. The entire circle is enclosed within a white border.

Setup Horiba MicroHR Raman Spectrometer

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SOP-01	Edwin Caballero-Agosto		University of Puerto Rico at Mayagüez
Effectivity: Nov/11/2021	Setup Horiba MicroHR Raman Spectrometer		Revised by:
Revised:			Approved by:

TURNING ON THE SPECTROMETER

1. Insert the mini DIN connector of the AC-DC Power Supply into the rear of the Sincerity Detector.



2. Turn on multiplug outlet.



3. Turn on S-Drive-500 Shutter Control Unit.



4. Turn the key from vertical to horizontal position in LASER.



5. Turn on LASER.



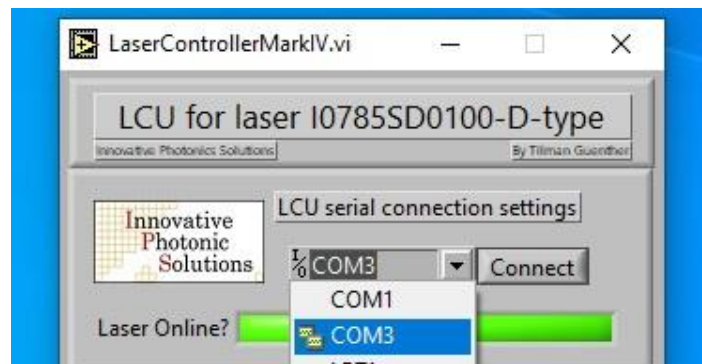
6. Remove laser cover.



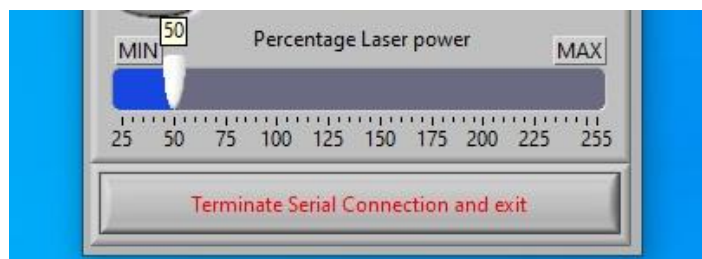
7. Open LaserControllerMarkIV.vi program in taskbar menu.



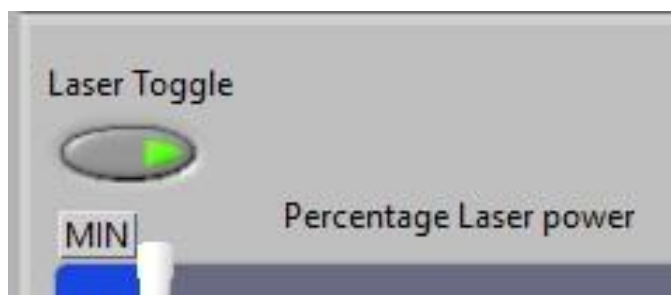
8. Choose "COM3" in the I/O option and click "Connect".



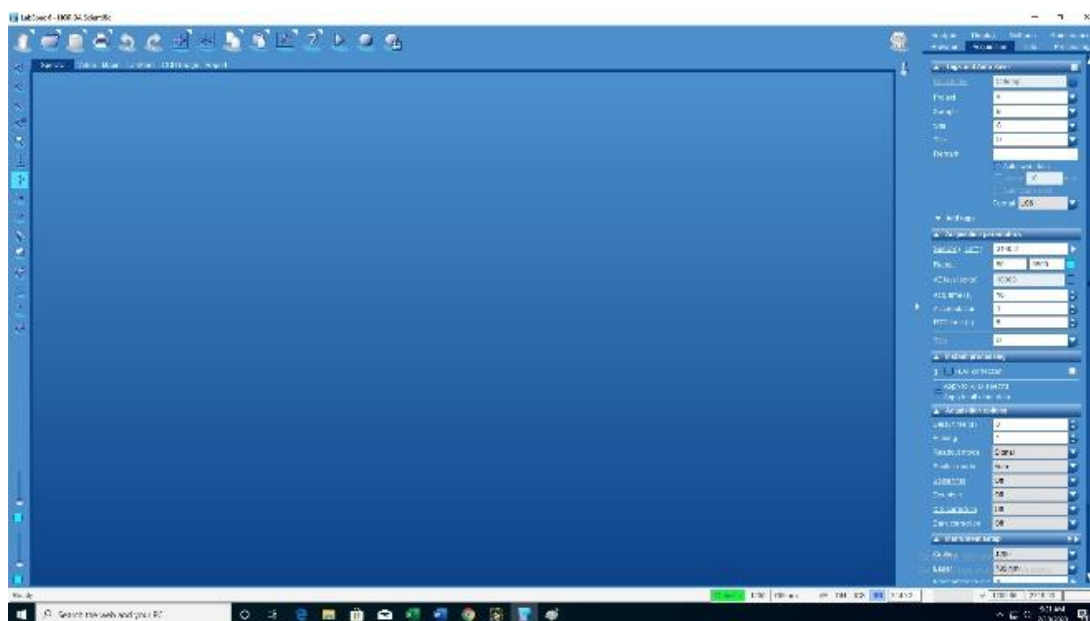
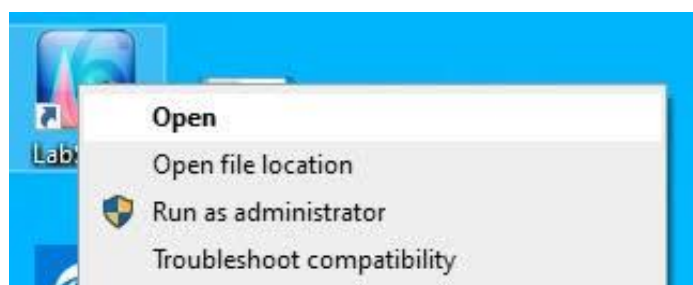
9. Fix "percentage laser power" to 50%.



10. Click “Laser Toggle”.



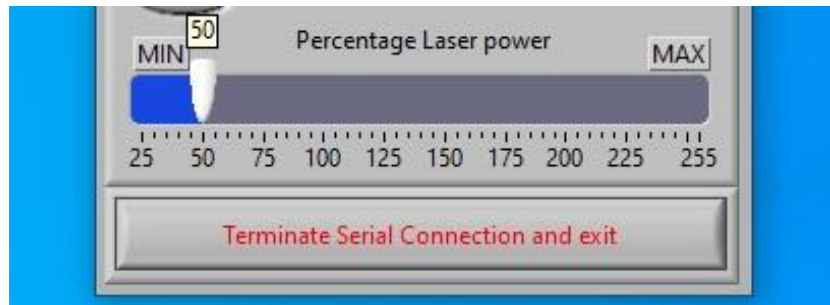
11. Open LabSpec6 program.



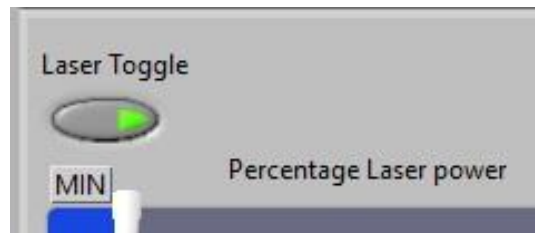
12. Save spectra in labspec and .txt format.

TURNING ON THE SPECTROMETER

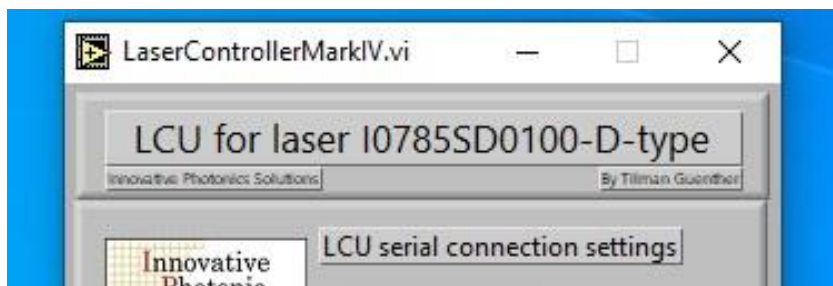
1. Lower laser power to 0% in LaserControllerMarkIV.vi program.



2. Turn off "Laser Toggle" in LaserControllerMarkIV.vi program.



3. Close LaserControllerMarkIV.vi program.



4. Place laser cover on laser.



5. Turn off laser.



6. Turn the key from horizontal to vertical position in LASER.



7. Turn off S-Drive-500 Shutter Control Unit.



8. Turn off multiplug outlet.



9. Remove the mini DIN connector of the AC-DC Power Supply out of the rear of the Sincerity Detector.



Advisor Signature

Co-Advisor Signature
