

## How to use the TGA 4000?

- 1. Check that the gas pressure (sample and balance) reaches at least 2 bars. If not, contact Yann Lavanchy
- 2. Turn on the cooler and check the water level
- 3. Switch on the computer and log in using your Gaspar credentials
- 4. Log in to: https://imxinstruments1.epfl.ch/cae1200/cae.html to switch on the instrument on the Windows 10 Switch computer located in front of the Zetasizer
- 5. Open software Pyris Manager
- 6. Click on TGA 4000 at the top left of the screen
- 7. Purge gas: on the Control Panel press Apply Purge gas (Nitrogen or Air 20mL/min)
- 8. Let the instrument equilibrate for at least 1h
- 9. Open *Method Editor*
- 10. You can create a new method under File -> New Method
- 11. Under Initial State, select the gas by double clicking Switch the Gas to
- 12. Under Program, you can set the initial temperature (recommended 30°C)
- 13. By clicking Add a step -> Temperature Scan you can add a thermal ramp (maximum temperature 950°C, rate from 0.1 to 50°C/min)
- 14. By clicking Add a step -> Isothermal you can add an isotherm
- 15. Save your Method under File -> Save Method As
- 16. Open *Pyris Player* 🚫
- 17. You can create a new sample list under File -> New Player
- 18. By clicking Add a step -> Sample Group you can generate a sample list
- 19. Specify the method to be used to measure your sample list under Sample List -> Method Name
- 20. You can add samples by clicking Add a sample
- 21. Specify the path to save your files under Sample -> File Name
- 22. Enter the position of your crucibles in *Location*
- 23. Place an empty crucible in every used location and tare all of them by selecting the Sample List -> Tare List
- 24. Place 2-15 mg of sample in the crucibles and weigh all of them by selecting the Sample List -> Weigh List
- 25. When you are ready, save your Player List and click *Start*

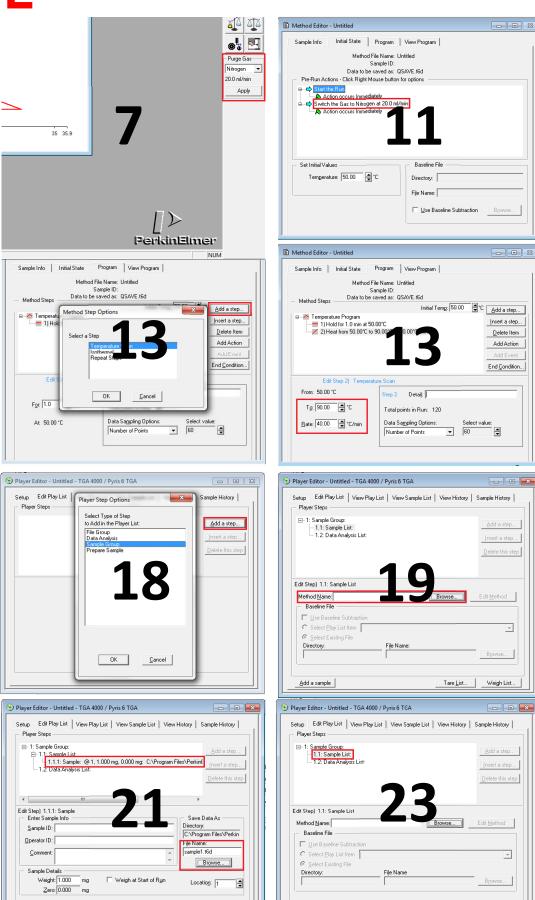


Phone:

Website:







Add a sample

Add a sample Insert a sample Delete sample Tare This... Weigh This...

Tare <u>L</u>ist...

Phone:

E-mail:

Website:

Weigh List..