




How to use the DSC 8000 ?

1. Check that the gas pressure reaches at least 2 bars. If not, contact Yann Lavanchy
2. Turn on the intracooler
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 DSC 8500 at the top left of the screen
7. Let the cooler reach -100°C (at least 1h)
8. Open *Method Editor* 
9. You can create a new method under *File -> New Method*
10. Under Program, you can set the initial temperature
11. By clicking *Add a step -> Temperature Scan* you can add a thermal ramp (min -60°C, max 600°C, rate from 0.1 to 50 °C/min)
12. By clicking *Add a step -> Isothermal* you can add an isotherm
13. Save your Method under *File -> Save Method As*
14. Open *Pyris Player* 
15. You can create a new sample list under *File -> New Player*
16. By clicking *Add a step -> Prepare Sample* then *Add a step -> Load Reference* you can load the reference using the autosampler (don't forget to check the Location)
17. By clicking *Add a step -> Sample Group* you can generate a sample list
18. Specify the method to be used to measure your sample list under *Sample List -> Method Name*
19. You can add samples by clicking *Add a sample*
20. Specify the path to save your files under *Sample -> File Name*
21. Place **2-15 mg** of sample in the pan and enter the weight in *Weight*
22. Enter the position of your pan in *Location*
23. When you are ready, save your Player List and click *Start* 
24. Once your measurements are done, turn off the intracooler and **wait 3 hours for the coolant to reach room temperature before closing the software and switching off the instrument** to avoid water condensation

