





How to use the EasyDrop

1. Turn on the PC
2. Login to Windows with :
Username : administrateur
Password : whisky
3. Open CAE from the desktop
4. Login using your GASPARD credentials
5. Click on MXC906 Easy Drop
6. Click on “ Valider “, the instrument should turn on
7. **Don't forget to remove the camera's cache**
8. Reassemble and Install the syringe piston first, then the glass body (adjust the height of the piston to fit in the instrument)
9. Open software Drop Shape Analysis
10. Open the different windows :
Under File -> Open FG-Window
Click on the Open Result-Window shortcut 
Click on the Device Control Panel shortcut 
Under FG -> click Acquire (or press F5)
11. You can manually adjust the syringe position so that you can see the tip of the needle in the upper ¼ of the frame
12. Manually magnify and focus on the tip of the needle
13. On the Device Control Panel, go under the “ Refill “ tab, dip the needle in your liquid and click “ Refill now ! “ – select the rate according to the liquid viscosity
14. Go under the “ Dosing “ tab, enter the volume (recommend. 2 – 5 µL) and the rate (recommend. 250 – 350 µL/min for water)
15. Click multiple times on the up arrow until you see a drop appear on the needle's tip
16. Remove that drop (avoid using a tissue)
17. The instrument is now ready. Produce a drop and slowly raise the sample until the drop deposits itself on the surface
18. Quickly press F6 to freeze the image (under FG -> Freeze)
19. You can adjust the baseline manually or use the “ Baseline detection “ 
20. You can measure the angle using the default method by pressing  or go under Profile -> Contact Angle Using -> your preferred method
21. You can save a picture by selecting the FG-Window, under File -> Save as...
22. Once you're done, remove, clean and dismantle the syringe
23. Place the camera cache back on
24. Turn off the instrument on the CAE interface