Micro-Gas Chromatograph – SRA INSTRUMENTS

Connection

Serie R, Serie N, Serie S
Your MicroGC communicate with 2 serial links
These 2 x RS232 are connected to the computer with the provided cables

Serie PGC-3000
Your MicroGC communicate with 2 x RS485 serial links
Refer to ATEX norm for proper connection

MyGC
Internal links are done & installed on COM 5 & 6

Carrier Gas

Your MicroGC can use **He, H_2, N_2, Ar** as carrier gas
Please check the correct carrier gas configuration
A wrong configuration would damage your instrument

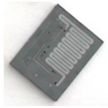
Quality = 99,9995 % purity
Pressure = 5,5 bars ± 0,2 bars (80 ± 2 PSI)

(GasType menu)
User : **service**
Pwd : **gasconfig**

Connection between pressure regulator and MicroGC :
- Use 1/8" stainless steel or clean copper tube and Swagelok fittings
- Purge all tube and dead volumes
- Don't use liquid leak detector

Sample

You have to clean your sample and control the pressure if necessary :



Max. Pressure = 2 bars (rel.)
No liquid / No solid

Use the in-line frit to protect your injector from particles 

Use a "Genie filter" if your sample has a positive pressure

Other recommendations…

- When you start the MicroGC : download a « purge » method with all detectors OFF to purge columns for about 10 minutes
- You can bake out the column at max. temperature : bake out duration is between 24 and 48 hours
- Download a standby method with detectors OFF when MicroGC is not used

It's recommended to let carrier gas flow on the column all the time

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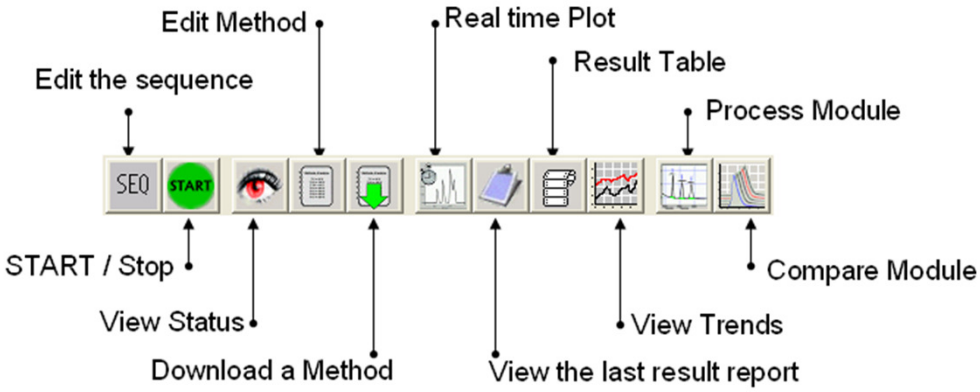
SOPRANE : the MicroGC software

Menu – Soprane

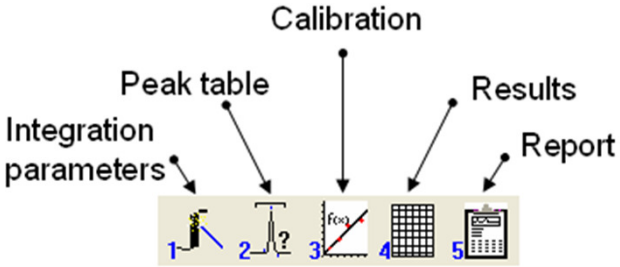


Develop a method

0. **Analytical parameters (Temp., Press., Time…)**
1. **Integration parameters**
2. **Peaks identification (Peak table)**
3. **Calibration / Quantification**
4. **Results**
5. **Report**

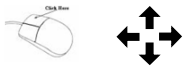
When you develop a method for the first time, always proceed step by step and channel by channel.

Shortcuts :



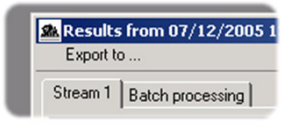
Mouse & Keyboard shortcuts

ZOOM (all the software) :
Unzoom chromatogram view : right double click
Keyboard : use arrows to move and CTRL + arrows to zoom



Identification (Process module) :
In the identification view, use CTRL + right click from a peak to add it in the table

Results (Soprane main screen) :
Export your results in Excel (*.dif file) by clicking "Export to" in the results table



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