

GOW-MAC Series 600 Gas Chromatograph (GC)

November 14, 2017

Instrument instructions can be found at:

<http://academic.bowdoin.edu/chemistry/resources/instructions.shtml>

If you have any problems with the instrument or would like to get trained, please contact

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- a. **Read instructions carefully before using instrument.** Reading the bold sentences in each category will tell you what you need to know to run the instrument.
 - i. Bullets are under the bold sentences when more detail is required.
 - ii. At the end of the instructions is a frequently asked questions/troubleshooting section.

- a. **Methods are developed using the Edit soft key on the Home page.**
- b. **Depress the Edit key.** You will be presented with a choice of what part of the

- d. **As soon as the GC is ready for an injection, the *Ready* message will appear in the top left of the screen.**
 - e. **You are now ready to make an injection and initialize a run by pressing the “Run” key on your Action page.**
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- a. **When you want to start a run even though the GC is not ready, you can from the Action page. There are three soft keys on the Action page.**
 - i. Run identical in operation to the Run key.
 - ii. R/C (Run Confirm) is similar to the run key, except that pressing the Run soft key first and then the R/C will start the GC whether the system is ready or not.
 - iii. Shutdown this button is used to cool the oven down in a controlled way. That is, the fans remain running, the vent door is open, and the heaters and detectors are turned off.
 - b. **Therefore, to start a run when the GC is not ready, first go to the Action page, then press the Run key, followed by the R/C key.**

Integrator Functions

LIST LIST lists current run parameters.

[SHFT]+OP:2 to set up to be able to rerun at different attenuation (answer the questions after **[SHFT]+OP:2**)

REA ENTER checks system readiness.

SY ENTER lists current system configuration.

START starts run.

PLOT starts plot without integration.

STOP stops run or plot.

[SHFT] SEQ START Starts a sequence of runs.

CHT SP 1 ENTER sets chart speed to 1 cm/min.

[SHFT] ENTER advances the paper continuously.

LIST TIME ENTER lists all current timetable entries.

TIME .5 CHT SP 7 ENTER sets chart speed to 7 cm/sec at 0.5 minutes into the run.

DEL TIME ENTER deletes entire timetable.

DEL TIME 1 ENTER deletes all entries for 1 min.

[SHFT] PREP [SHFT] METH prepares a method step by step.

[SHFT] EDIT [SHFT] METH edits an existing method.

[SHFT]

BOLD words indicate a key that is pressed.

Everything else is typed in using the keypad.

****Note**:** Keyboard light flashes after changing paper: push ESC so that future commands are accepted.

-MAC Instrument Co. 1995.

Adapted from HP 3395 Integrator Operating Manual by Hewlett Packard. 1997.