

5.0 Pyrolysis

- 5.1 Turn on pyrolysis unit by depressing POWER button.
- 5.2 After the pyrolysis unit has warmed up, place the prepared sample tube (see “Sample Preparation”) in the sample tube holder, securing the gasket of the holder around the tube so that it is “finger-tight.”
- 5.3 Screw the sample tube holder with the sample tube into the pyrolysis unit so that it is “hand-tight.”
- 5.4 Depress the PURGE button (in BYPASS mode), and wait for 30 seconds.
- 5.5 Switch to SAMPLE mod, then end the purge by depressing the PURGE button again.
- 5.6 Wait at least 4 minutes to allow the sample tube to warm up the the temperature of the pyrolysis unit.
- 5.7 The time switch for the pyrolysis unit should be set for 3-5 seconds.
- 5.8 Having set all GC conditions concerning the method and the acquisition of data (see “Creating the Method and Data Acquisition”), simultaneously depress the PYROLYSIS button on the pyrolysis unit and the START button on the GC.
- 5.9 Wait 15 seconds, then switch the pyrolysis unit to the BYPASS mode.
- 5.10 A new sample tube can be placed into the pyrolysis unit at this time. Steps 4-10 can repeated only after the GC sequence is complete. Allow 15 minutes between runs.