

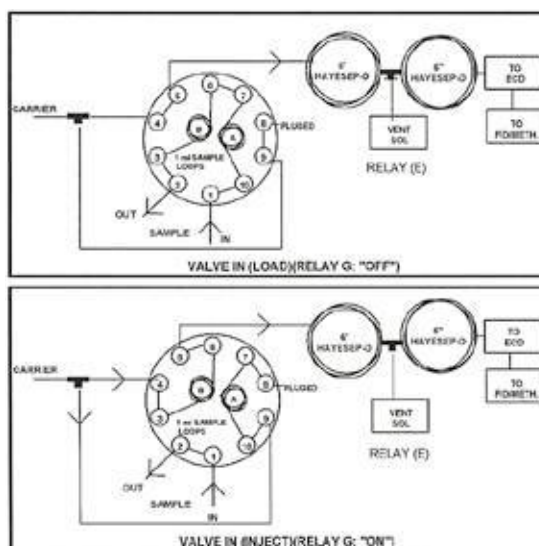
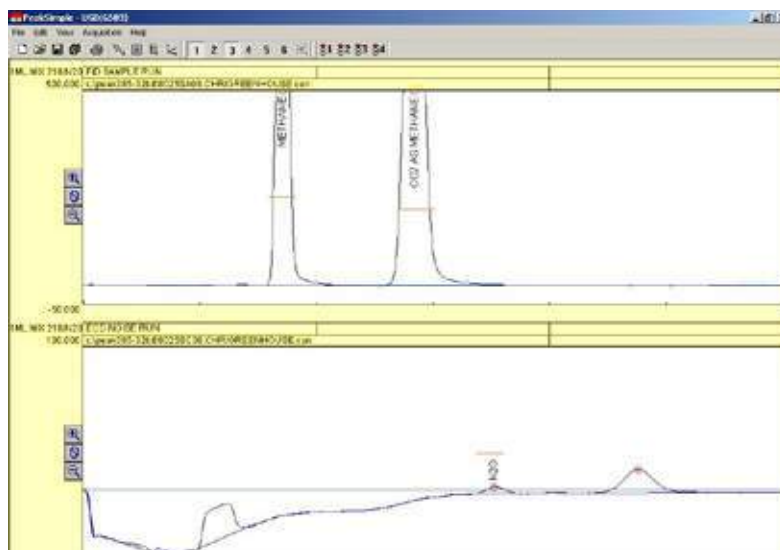
# Greenhouse Gas GC System



The Greenhouse GC is designed for the detection of carbon dioxide ( $\text{CO}_2$ ), methane ( $\text{CH}_4$ ) and nitrous oxide ( $\text{N}_2\text{O}$ ). Depending upon the volume of the sample loop on the gas sampling valve, it can detect trace levels or high concentrations. It may be used for stack or ambient air monitoring, or in a plane for atmospheric air analysis.

The Greenhouse GC is not limited to  $\text{CO}_2$ ,  $\text{CH}_4$  and  $\text{N}_2\text{O}$ . The FID-Methanizer detects hydrocarbons as well as  $\text{CO}$  and  $\text{CO}_2$  (as methane). The sensitive ECD detector responds to electronegative compounds, especially chlorinated, fluorinated or brominated molecules like PCBs and pesticides. With a low-volume sample loop, the Greenhouse GC can be used to measure gases produced by bacterial metabolic processes and life cycles.

- ECD and FID-Methanizer Detectors
  - Dual Packed Columns
  - 10-Port Gas Sampling Valve & Sample Loop
  - 6 channel PeakSimple Data System
  - On-Column Injector
- ...on the compact 8610C chassis



**8610-0040**

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OPTIONS & UPGRADES: additional sample loops, additional detectors  
(VOLTAGE: for 115VAC, use 8610-0040-1; for 230VAC, use 8610-0040-2)