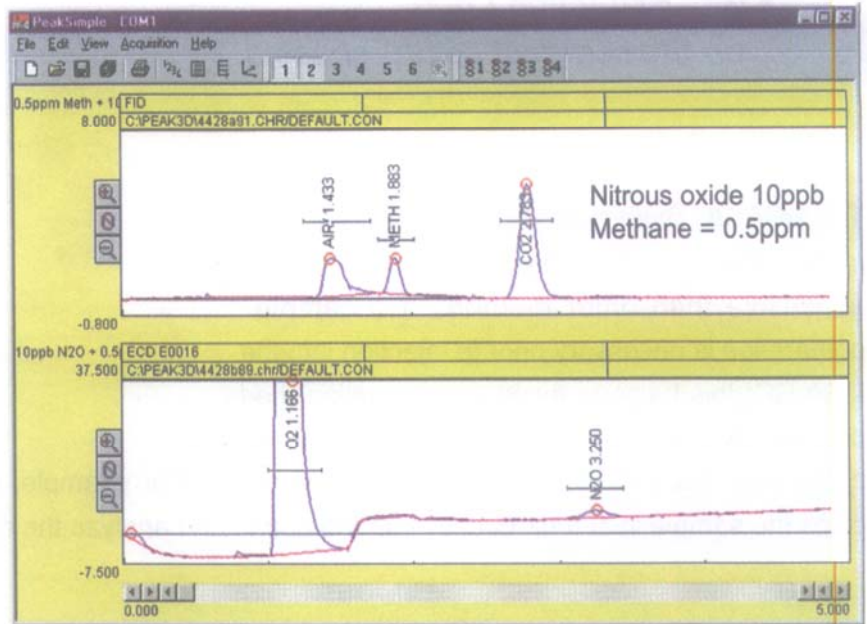


Greenhouse Gas GC System

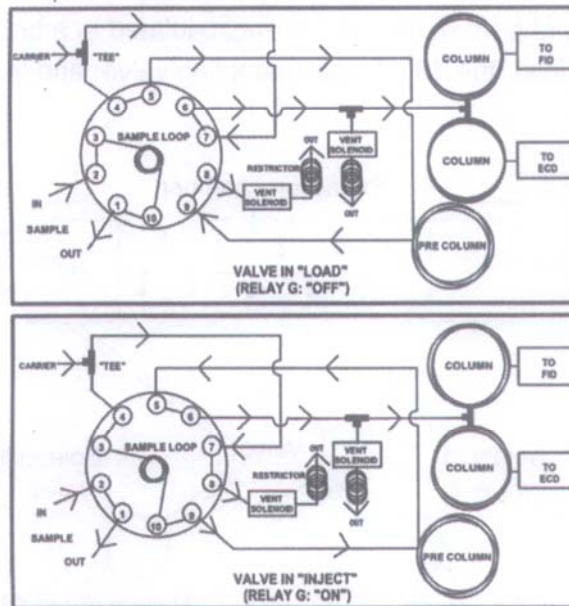


- ECD and FID-Methanizer Detectors
- Dual Packed Columns with Precolumn
- 10-Port Gas Sampling Valve & Sample Loop
- 4 channel PeakSimple Data System
- On-Column Injector
- ...on the compact 8610C chassis

The Greenhouse GC is designed for the detection of carbon dioxide (CO_2), methane (CH_4) and nitrous oxide (N_2O). 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 chromatogram at left was generated by a Greenhouse GC with a 5mL sample loop.



The Greenhouse GC is not limited to CO_2 , CH_4 and N_2O . The FID-Methanizer detects hydrocarbons as well as CO and 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.



The Greenhouse Gas GC uses a 10-port gas sampling valve plumbed with precolumn backflush.

8610-0040 Greenhouse Gas GC System



OPTIONS & UPGRADES: additional sample loops, additional detectors, 6 channel USB PeakSimple data system.
(VOLTAGE: for 110VAC, use 8610-0040-1; for 220VAC, use 8610-0040-2)

Preconfigured GC Systems

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