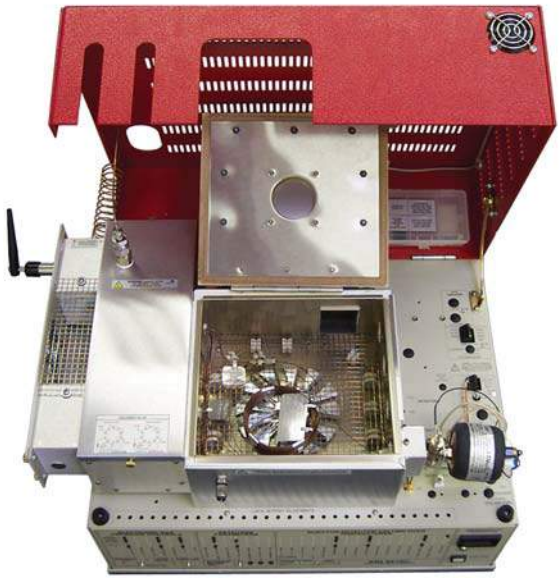
PCB GC System

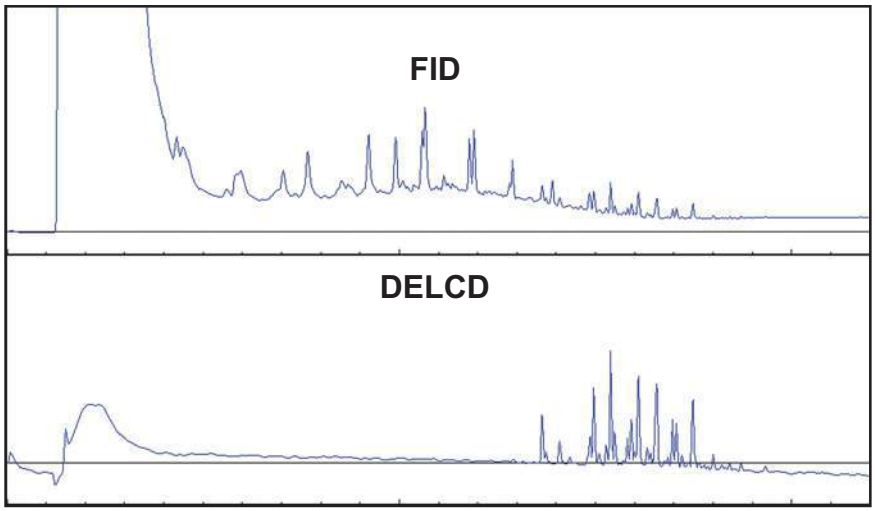


- **Thermal Desorber**
- **30 meter Capillary Column**
- **Built-in, “whisper quiet” Air Compressor**
- **1 Channel PeakSimple Data System**
- **On-Column Injector**

...on the compact 8610C chassis

The PCB GC System has everything you need to detect PCBs in soil and other solid matrices. The Thermal Desorber permits the user to inject and analyze PCBs with very high sensitivity and little or no sample preparation—no solvent extraction is required. Up to 1 gram of soil can be loaded into the reusable glass desorption tubes. For more information on the Thermal Desorber, please see page 66.

The FID detector responds to all hydrocarbons, and the DELCD identifies which are halogenated. Due to the extreme selectivity of the DELCD, PCBs can be discriminated even in the presence of massive hydrocarbon contamination. Because the FID precombusts the sample, the DELCD is protected from hydrocarbon contamination. The two chromatograms at right show the analysis of a 200ppm Aroclor 1254 sample in diesel with a PCB GC System.



The PCB GC System is also useful for detecting pesticides, PAHs, JP-4, kerosene, and diesel in soil. Soil samples are typically 20-50% water, so the FID flame is automatically relit after a large water peak. The 30 meter capillary column is included to efficiently separate hydrocarbons up to C40+. The built-in, “whisper quiet” air compressor provides an infinite supply of combustion air for the FID detector.

8610-0080 **PCB GC System**

OPTIONS & UPGRADES: additional detectors, split/splitless and PTV injectors.
(VOLTAGE: for 115VAC, use 8610-0080-1; for 230VAC, use 8610-0080-2)