Geoprobe™ GC System

In one easily transported instrument, you can be equipped to perform total VOCs as you drill, plus identification of the specific compounds with no hardware changes or downtime!

- **10-port Gas Sampling Valve**
- **PID and FID/DELCD Detectors**
- **Built-in, "whisper quiet" Air Compressor**
- **6 channel PeakSimple Data System**
- **Analog Output signal cables**
- **15 meter Capillary Columnt**

...on the compact 8610C chassis

This GC has been configured to meet the needs of Geoprobe operators worldwide. With one easily transported unit, you can measure continuous total VOCs in the Geoprobe purge gas and then, with a simple software switch, inject the gas onto a GC column for separation of the individual VOC compounds.

The three detectors - FID/DELCD combination detectors and a PID detector - are plumbed in series so that the Geoprobe purge gas flows through each detector sequentially. The PID responds to all aromatic molecules (benzene, toluene, etc.) and many chlorinated VOCs (TCE, PCE, etc.). The FID responds to all hydrocarbons (methane, propane, etc.) and the DELCD responds only to chlorinated or brominated compounds (vinyl chloride, DCE, TCE, PCE, etc.).

The system is configured so that a solenoid valve, actuated by the PeakSimple Data System, can direct the Geoprobe purge gas either directly to the detectors for a continuous total measurement, or to a 1mL loop on the included 10-port gas sampling valve for injection into a GC column. Once injected into the column, the VOCs are separated and measured as individual compounds. This allows the Geoprobe operator to immediately profile the VOCs onsite either in real time as the probe is pushed, or later by locating the probe at specific depths where the total VOC measurement indicated VOC hotspots.

8610-0061	**Geoprobe #1 GC system**
8610-0062	**Geoprobe #2 GC system (no PID detector)**

OPTIONS & UPGRADES: split/splitless and PTV injectors
(VOLTAGE: for 115VAC, use "part number-1" [ex: 8610-0061-1] for 230VAC, use "part number-2")