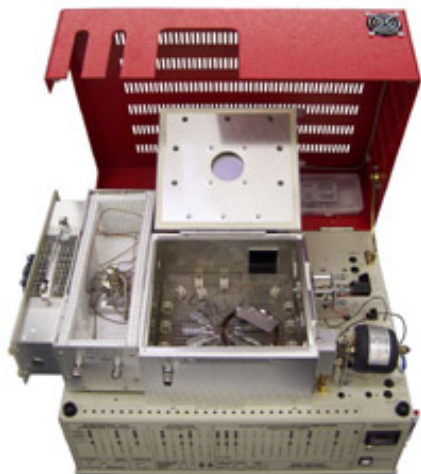


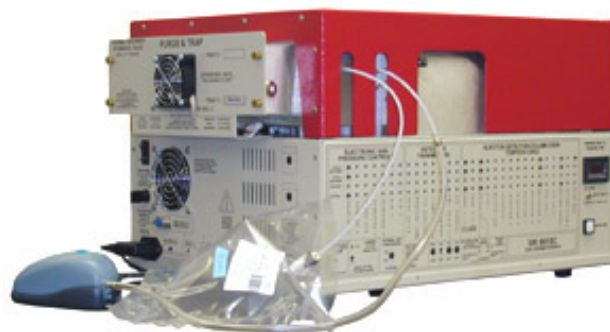
TO-14 Air Monitoring GC System



- Dual Trap TO-14 Air Concentrator
- PID and combination FID/DELCD Detectors
- Vacuum Pump with PeakSimple controlled Interface
- Built-in "whisper quiet" Air Compressor
- 4 channel PeakSimple Data System
- 60-meter Capillary Column
- ...on the compact [8610C](#) chassis

For TO-14 analysis and ambient air analyses of all types, this GC has everything you need in a compact, easy-to-transport package.

The dual trap TO-14 Air Concentrator is similar to our [Purge & Trap](#), but it has a gas inlet instead of a liquid purge vessel (a liquid purge head can be added if required). The innovative dual trap design results in more efficient trapping and desorption than single trap designs, especially for early eluting peaks such as vinyl chloride. [Please see page 72 for more information on the TO-14 Air Concentrator.](#)



The 60-meter capillary column is the newest unbreakable, fused silica-lined, stainless steel technology, which gives good separation of the TO-14 analytes with short run times. The [PeakSimple data system](#) controls and sequences the entire analysis, collecting the data from the three detectors, loading and desorbing the traps, then calculating and printing the results.

Since it is small enough to take on-site for real-time measurements, you can perform the analysis right at the source, avoiding the need for expensive, labor-intensive canister sampling. The [vacuum pump interface](#) allows the data system to turn the external vacuum pump ON/OFF under PeakSimple control. The vacuum pump is used to draw ambient air through the traps for a precise amount of time, thus enabling the system to sample unattended. The [built-in air compressor](#) eliminates the hassle of transporting bulky air cylinders by providing an endless supply of combustion air for the [FID/DELCD combination detector](#). To eliminate cylinders altogether, try the [H2-50XR hydrogen generator \(part# 8680-0350\)](#) for both carrier and FID combustion gases. The sensitive and non-destructive [PID detector](#) can run on air carrier, too.

