



## 8610 SERIES INDUSTRIAL GAS CHROMATOGRAPH

- Mounts up to Six Detectors and Five Injectors
- Ambient to 400°C Temperature Programmable Column Oven
- On-column injector
- Implement virtually any EPA or ASTM method
- Includes complete set of Fun-Science experiments  
(ONLY available through Edu-Chem!)



In the lab, the 8610 series GCs perform routine industrial analyses and complicated research separations easily, generating accurate and reproducible results. The 8610 is a GC with the versatility to meet your lab's specific needs. The unique architecture of the 8610GC systems allow various detector and injector combinations, so each GC can be configured to meet your specific lab requirements for multi-functional applications.

Automated Analyses - Let the GC do the work so you don't have to -The Edu-Chem 8610GC offers total control of application parameters using PeakSimple software. PeakSimple allows unlimited temperature programming, electronic pressure control, carrier gas pressure, gas valve position, gas solenoid actuation, autosampler control and other options. Just program your application parameters into the computer and let the 8610GC do the rest.

- Optional dual column ovens for multi-dimensional chromatography
- Programmed oven temperatures from 50°C/min up to 300°C and 20°C/min from 300°C to 450°C
- PeakSimple Software for Windows with built-in 4 channel serial data system
- Fast cool oven from 400°C to 50°C in less than 5 minutes for increased sample throughput
- Built-in valve systems for the flexibility and precision to handle various applications
- Electronic pressure controls (EPC) maintains flat baselines over full temperature range w/ highly stable retention times
- Performs research quality analyses under rigorous lab or field conditions

### DETECTOR OPTIONS

<b>CCD</b> - Catalytic Combustion Detector
<b>TCD</b> - Thermal Conductivity Detector
<b>FID</b> - Flame Ionization Detector
<b>DELCD</b> - Dry Electrolytic Conductivity Detector
<b>FID/DELCD</b> - combination Flame Ionization Detector and Dry Electrolytic Conductivity Detector
<b>HID</b> - Helium Ionization Detector
<b>PID</b> - Photo Ionization Detector
<b>NPD</b> - Nitrogen-Phosphorus Detector
<b>NPD/DELCD</b> - combination Nitrogen-Phosphorus Detector and Dry Electrolytic Conductivity Detector
<b>TID</b> - Thermal Ionization Detector
<b>FPD</b> - Flame Photometric Detector
<b>FPD/FID</b> - combination Flame Photometric Detector and Flame Ionization Detector
<b>Dual FPD</b> - dual wavelength for simultaneous sulfur and phosphorus response
<b>FID dual FPD</b> - combination dual Flame Photometric Detector and Flame Ionization Detector
<b>ECD</b> - Electron Capture Detector
<b>RGD</b> - Reduction Gas Detector
<b>ASD</b> - Aromatic Selective Detector

### INJECTOR OPTIONS

On-column Injector
On-Column PTV Injector
Heated Flash Vaporization Injector
Heated Split/Splitless Injector
PTV - Programmable Temperature Vaporization Injector
10-port Gas Sampling Valves and 22-port Stream Selector Valves
Sample Preconcentration and Enrichment Options:
Heated Adsorbent Traps
DGA-TOGA Permeation Loop Accessory
CryoCooled Peltier Trap
Enrichment Coils
Method TO-14 Air Concentrator
Thermal Desorber
Method 5030/5035 Compliant Purge & Trap; Method 5035 VOA Vial Purge Head Retrofit
Online Sampler/Sparger for HRVOC GC
Heated Static Headspace Injector
20, 42, and 110 vial Liquid Autosamplers
40 vial Headspace Autosampler
10-sample Purge & Trap Autosampler; Online Sampler for Purge & Trap

**Most users will need to specify one or more detectors; injectors and columns.  
Please call for individualized quotations.**