



310 SERIES GAS CHROMATOGRAPH



- Small size, full performance
- Dimensions: 12.5" wide x 13.5" high x 14.5" deep
- Ambient to 400°C Temperature Programmable Column Oven
- Mounts up to Four Detectors
- Includes complete set of Fun-Science experiments and
- 24/7 technical support only available through Edu-Chem!

The Model 310 is the smallest GC that still retains the performance of a full-sized laboratory instrument. The Model 310 column oven is temperature programmable from ambient to 400°C, with unlimited ramps and holds, plus fast cool-down. It will accommodate capillary or packed 4-inch diameter columns. Up to four detectors can be mounted simultaneously with a single On-Column, Heated Flash Vaporization, Split/Splitless, or PTV injector. All gases are controlled by electronic pressure controllers (EPC), and the carrier pressure is programmable. The Peak Simple data system is built in for easy connection to your PC. The Model 310 was designed to satisfy the needs of chromatographers who demand the utmost in portability, small size, and high performance, but whose application does not require gas sampling valves, purge & trap, or multiple injector types.

STANDARD EQUIPMENT:

- Model 310 chassis; ambient to 400°C column oven;
- On-column injector with carrier EPC;
- Single channel PeakSimple data system;
- "At-a-glance" display of temperatures, pressures, voltages, and detector parameters;
- Operator's manual;
- Accessory kit;
- Heavy duty reusable shipping container.

DETECTOR OPTIONS

DETECTOR OPTIONS
1. CCD Catalytic Combustion Detector
2. TCD Thermal Conductivity Detector
3. FID Flame Ionization Detector
4. DELCD Dry Electrolytic Conductivity Detector
5. FID/DELCD combination Flame Ionization Detector and Dry Electrolytic Conductivity Detector
6. HID Helium Ionization Detector
7. PID Photo Ionization Detector
8. NPD Nitrogen Phosphorus Detector
9. NPD/DELCD combination Nitrogen Phosphorus Detector and Dry Electrolytic Conductivity Detector
10. TID Thermal Ionization Detector
11. FPD Flame Photometric Detector
12. FPD/FID combination Flame Photometric Detector and Flame Ionization Detector
13. Dual FPD dual wavelength for simultaneous sulfur and phosphorus response
14. FID dual FPD combination dual Flame Photometric Detector and Flame Ionization Detector
15. ECD Electron Capture Detector
16. RGD Reduction Gas Detector
17. ASD Aromatic Selective Detector

INJECTOR OPTIONS

INJECTOR OPTIONS
1. On-column Injector
2. On-Column PTV Injector
3. Heated Flash Vaporization Injector
4. Heated Split/Splitless Injector
5. PTV - Programmable Temperature Vaporization Injector
6. 10-port Gas Sampling Valves and 22-port Stream Selector Valves
7. Sample Preconcentration and Enrichment Options: <ol style="list-style-type: none"> Heated Adsorbent Traps DGA-TOGA Permeation Loop Accessory CryoCooled Peltier Trap Enrichment Coils
8. Method TO-14 Air Concentrator
9. Thermal Desorber
10. Method 5030/5035 Compliant Purge & Trap; Method 5035 VOA
11. Vial Purge Head Retrofit
12. Online Sampler/Sparger for HRVOC GC
13. Heated Static Headspace Injector
14. 20, 42, and 110 vial Liquid Autosamplers
15. 40 vial Headspace Autosampler
16. 10-sample Purge & Trap Autosampler; Online Sampler for Purge & Trap

To completely configure a Model 310 GC, most users will need to specify one or more detectors, columns, and an injector upgrade. EDU-CHEM will customize a GC to meet YOUR Applications; please call or write for a quote today!