



Gas Chromatograph



Instrumentation Details

Make : Agilent, USA

Model : GC 7820A

Specification :

- Split/splitless (SSL) for large bore and all capillary columns.
- Packed purged injection port (PPIP) for wide bore capillary and packed columns.
- For chemical and hydrocarbon processing applications.
- Flame ionization detector (FID) – For samples that contain very high or very low compound concentrations.
- Thermal conductivity detector (TCD) – Single-filament.
- Contains HP-5 column.
- Supported by Open lab CDS EZChrom software.

Chromatography is the separation of a mixture of compounds (solutes) into separate components. By separating the sample into individual components, it is easier to identify and measure the amount of the various sample components. There are numerous chromatographic techniques and corresponding instruments. Gas chromatography (GC) is one of these techniques. It is estimated that 10-20% of the known compounds can be analyzed by GC. To be suitable for GC analysis, a compound must have sufficient volatility and thermal stability. The compound to be analyzed by GC must be either in vapour form or it should not decompose at temperature ranging from 300-400°C.

User Instructions

1. Samples may be in liquid as well as gaseous form.
2. Minimum amount of sample required 0.5µL

Contact Us

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