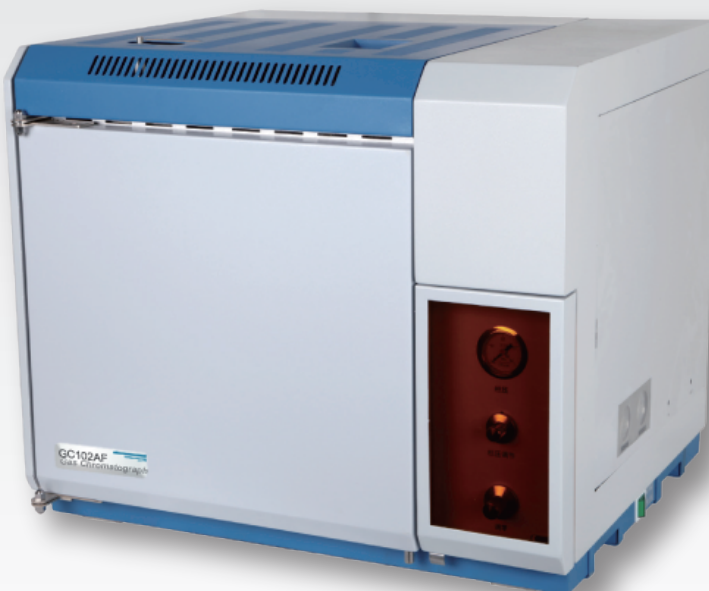


GC102AF Gas Chromatograph

NEW



As a new generation instrument, GC102AF Gas Chromatograph applies the computer reverse control technology and can conduct remote detection and fault diagnosis, equipped with a flame ionization detector (FID).

Features

- PC control, user-friendly interface, and easy to operate.
- Temperature control is of high accuracy (better than $\pm 0.1\text{ }^{\circ}\text{C}$). Heating speed is fast and overshoot temperature is small.
- Self-diagnosis, power protection, oven over-temperature protection, and automatic ignition.
- It can accurately display the temperature control settings, actual value, and FID amplifier sensitivity.
- The single gas system and precise scale pneumatic control valve contribute to excellent reproducibility and stability and can perform analysis of packed column.
- Packed column: on-column injection, instantaneous vaporization injection, gas injection.
- Open computer system and NJ2000 chromatography workstation can work together to process data.
- Large capacity oven (300mm \times 280mm \times 270mm) facilitates the installation of packed column.
- Built-in heating wire structure.

Technical Specifications:

Temperature Control:

1. Temperature area: column oven, sampler, detector
2. Temperature range: $15\text{ }^{\circ}\text{C}$ ~ $399\text{ }^{\circ}\text{C}$ above room temperature (increment: $1\text{ }^{\circ}\text{C}$)
3. Temperature accuracy: better than $\pm 0.1\text{ }^{\circ}\text{C}$ (measured at $200\text{ }^{\circ}\text{C}$)

Flame Ionization Detector (FID):

1. Detection limit: $Dt \leq 1 \times 10^{-10}$ g/s (octane and hexadecane)

2. Baseline drift: $\leq 2 \times 10^{-12}$ A/h
3. Linear range: $\geq 10^6$
4. Max. limit temperature: $400\text{ }^{\circ}\text{C}$

Others:

1. Voltage: $220\text{V} \sim \pm 22\text{V}$ $50\text{Hz} \pm 0.5\text{Hz}$
2. Power: $\leq 1500\text{W}$
3. Package size: $945\text{mm} \times 655\text{mm} \times 750\text{mm}$
4. G.W.: 70kg

Optional Accessories:

- N2000 chromatography workstation