

GC-9802 Gas Chromatography



Function

GC-9802 gas chromatography comes with reasonable structure, stable and reliable performance, simple operation and easy maintenance. It can be widely used in the production and scientific research departments such as petroleum, chemical industry, pesticide, medicine and hygiene, commodity inspection, environment protection, college and so on. It is to detect organic solvents, the solvent residue of printed packaging materials and the purity or content of a single solvent.



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Technical Specification

Items	Technical Parameters
Detector	hydrogen flame detector (FID) (optional for others)
Detector Parameters	Sensitivity $Mt \leq 1 \times 10^{-11} \text{g/s}$ (n-hexadecane) ; baseline drift $\leq 0.02 \text{mv/h}$; noise $\leq 0.02 \text{mv}$
Chromatographic column	OV-1701 capillary-column chromatography, $50\text{m} \times 0.32\text{mm} \times 0.5\mu\text{m}$, maximum service temperature: 400°C (optional for other chromatographic column)
Injection port	Capillary column injection port (optional for packed column injection port)
Column oven size	$240 \times 210 \times 240 \text{mm}$
Temperature range	Highest 400°C
Temperature controlling accuracy	0.1%
Temperature resolution	0.1°C
Heating rate	$0 \sim 40^\circ\text{C}/\text{minute}$
Carrier gas source	N_2 , purity 99.99%, 0.4MPa, dry
Hydrogen gas source	Purity 99.99%, 0.4MPa, dry
Air source	0.4MPa, dry, clean, oil-free
Air connection	$\Phi 3 \text{mm}$ gas pipe
Instrument size	$500 \times 550 \times 500 \text{ mm}$



Features

- Economical and practical, excellent performance and quality.
- Adjustable gas circuit pressure, stable flow, with multiple gas circuit system of nitrogen, hydrogen, air, exhaust, shunt , cleaning.
- LCD screen displays temperature in real time.
- Cellular overall structure design, convenient to install and maintenance.
- Advanced noise resistant system, work quietly.
- Over-temperature protection function, with program protection and circuit protection double insurance.
- With data workstation, professional software support and powerful data analysis function.
- Display working condition and chromatogram curves; curves can be zoomed and moved.
- Professional test report, can export PDF file.
- Manual button switch, its function is equal to “start collecting” , which is convenient for sampling.
- Easy to operate detector and baseline calibration.



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