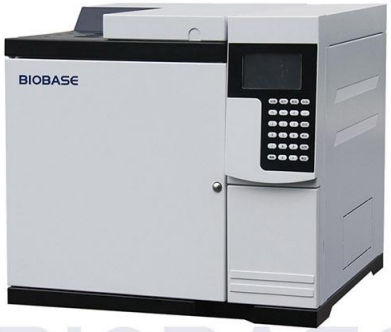
Gas Chromatograph



Introduction:

BK-GC900 gas chromatograph is a popular, high-performance, multi-functional series of chromatographic instruments. FID, TCD detectors can be combined as needed to meet the needs of ordinary laboratories, daily production, routine detection and trace quantities analysis requirements. It can be widely used in many fields such as petroleum, chemical industry, environment, food safety, disease control, teaching and scientific research.

Features:

* Ethernet communication interface is adopted, so that the instrument can realize long-distance data transmission through the internal LAN of the enterprise, which is convenient for the management of analysis data.
* The unique design of the injection port solves the injection discrimination, and the dual-column compensation function not only solves the baseline drift caused by temperature programming, but also reduces the influence of background noise, which can lead to lower detection limits.
* Unique vaporization chamber design, smaller dead volume; replacement of accessories such as injection pad, liner, polarizer, collector, nozzle can be done with one hand; packed column, capillary injector, TCD, FID detector and other main bodies. The replacement only requires a wrench to be completely disassembled, and the maintenance is very convenient.
* The intelligent rear door system has stepless variable inlet and outlet air volume, which shortens the stable balance time of the system after programmed heating/cooling.
* The inlet can be installed up to 4 types (packed column, capillary column split/splitless injection system can be used), multiple detectors with the same or different detectors are installed, automatic/manual gas injection device can be selected, top Empty sampler, thermal desorption sampler, pyrolysis furnace sampler, methane reformer, etc.
* The instrument is equipped with a 4.3-inch color LCD touch screen and keyboard input for user operation.
* Adopt the dual-stable gas path design of primary pressure stabilizer valve and stabilizer valve/pressure stabilizer valve
* With seven temperature control devices, the temperature control accuracy is lower than ±0.1℃
* With double over-temperature protection and power-off protection function
* With linkage trigger signal acquisition system
* With fault self-check and alarm function

Technical Parameters:

Model	BK-GC900	
Oven	Temp. Range	RT+5~450℃
	Temp. Accuracy	≤±0.1℃
	Temp. Program	20-phase
	Max. Temp. Heating Rate	40℃/min
	Time Range	0-655min
	Internal Size	250*270*170mm
Detector	Hydrogen Flame Ionization Detector (FID)	Detection limit:≤5*10^{-12}g/s (100ng/ul n-hexadecane-isooctane solution)
		Temperature 450℃
		Compatible with packed and capillary columns
		Baseline drift:≤2*10^{-13}A/30min
		Baseline noise: 3*10^{-14}A
		Linear range:≥10^{7}
	Thermal Conductivity Detector (TCD)	Sensitivity: >5000mv.ml/mg (50mg/ml toluene-benzene solution)
		Temperature 400℃
		Baseline drift:≤0.1mV/30min
		Baseline noise: 0.03mV
		Linear range:≥10^{5}(±10%)
Injection Method	Various injection methods are available: (1) Packed column injection; (2) Packed column gasification injection; (3) Capillary split/splitless injection: back pressure valve control technology, linear split; (4) Six-way valve gas injection; (5) On-line injection: continuous injection for 24 hours without supervision	
Power Supply	AC220V±10%, 50/60Hz	
Standard Accessory	FID detector, Chromatography workstation software, Capillary sampler	
Optional Accessory	Sample injection system, TCD detector, Chromatographic column, Nickel catalytic converter	
External Size(L*W*H)	530*502*508mm	
Net Weight	42kg	
Package Size (W*D*H)	750*710*720mm	
Gross Weight	60kg	