

Gas Chromatograph



Introduction:

This instrument, through its meticulously designed and optimized sample introduction system, significantly improves the accuracy and repeatability of sample analysis. Furthermore, its circuitry has undergone a comprehensive upgrade, not only greatly accelerating computational speed and data processing capabilities but also significantly enhancing the instrument's stability and durability, creating a more robust and efficient analytical platform for users. This enables the instrument to maintain long-term stable operation in various application environments, easily meeting users' diverse daily testing needs.

Features:

- * Featuring a 7-inch high-definition capacitive touchscreen, it can display spectra, all temperature zones, and detector functions in real time.
- * Main module design: Can simultaneously install three injection ports and four detectors.
- * Pre- and post-chromatographic channels can be controlled and operated synchronously or asynchronously.
- * Certified with rigorous functional safety ECM, comprehensively enhancing anti-interference capabilities.

Technical Parameters:

Model	BK-GC900A	
Oven	Temperature Range	RT+5~450°C
	Temperature Control Accuracy	0.01°C
	Temperature Program	≥20 levels(expandable)
	Maximum Temperature Heating Rate	120°C/min
	Temperature Control System	An 8-channel independent temperature control system with automatic temperature protection function
Selectable Detector Types	Flame Ionization Detector(FID)	Operating temperature: 450°C
		Detection limit ≤ 5.0*10 ⁻¹² g/s(n-hexadecane/isooctane)
		Baseline drift(30 min) ≤ 2*10 ⁻¹³ A
		Baseline noise ≤2*10 ⁻¹⁴ A
		Dynamic linear range ≥10 ⁷
	Thermal Conductivity Detector(TCD)	Automatic ignition function
		Sensitivity≥8,000mV·mL/mg
		Baseline drift(30 min): ≤0.2mV
		Baseline noise: ≤0.05mV
		Dynamic linear range: ≥10 ⁵
Safety protection: Gas bridging current protection function		
Selectable Sample Injection Method	It can be used with standard and inert flow path split/splitless capillary injection, septum purge packed column injection, cold column injection, programmable temperature vaporization injection ports, valve injection systems, headspace injection systems, thermal desorption injection systems, etc.	
Standard Accessories	FID detector, chromatography workstation software, capillary sampler	
Optional Accessories	Sample injection system, TCD detector, chromatographic column, nickel catalytic converter	
Power Supply	AC220V, 50/60Hz	
Product Size(W*D*H)	550*550*480mm	
Net Weight	45kg	
Packing Size(W*D*H)	750*710*700mm	
Gross Weight	57kg	

Remark: 2 different types of detectors can be installed simultaneously.