

Gas Chromatograph



E-mail: export@biobase.com
www.biobase.cc / www.biobase.com

Introduction:

This instrument perfectly blends cutting-edge technology with user-friendly design, marking a significant advancement in the field of analytical instruments. Equipped with an industry-leading technology platform and a self-developed advanced data processing system, it not only achieves superior performance but also significantly enhances ease of use, ushering in a new era of intelligent analysis for users and contributing technological power to the development and innovation of related industries.

Features:

- * Supports up to 18 channels of high-precision electronic pressure/flow control(EPC).
- * Featuring a 10-inch high-definition capacitive touchscreen, it can display spectra, all temperature zones, carrier gas flow rates, detector functions, etc. in real time.
- * Instrument methods can be edited on-screen, and firmware versions can be upgraded via USB interface.
- * One-click instrument reset is supported.
- * Intelligent maintenance tracking and reminders are provided, indicating the replacement time for injection pads, liners, etc.
- * The pre- and post-chromatographic channels can be controlled and operated synchronously or asynchronously.
- * It has undergone rigorous functional safety ECM certification, comprehensively enhancing its anti-interference capabilities.

Technical Parameters:

Model	BK-GC906	
Oven	Temperature Range	RT+2~450°C
	Temperature Control Accuracy	0.01°C
	Temperature Program	≥99 levels, 100 platform(expandable)
	Maximum Temperature Heating Rate	250°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≤1.1 pg C/s(n-hexadecane)
		Baseline drift(30 min)≤2*10 ⁻¹¹ A
		Baseline noises≤2*10 ⁻¹⁴ A
		Dynamic linear range≥10 ⁷
	Thermal Conductivity Detector(TCD)	Automatic ignition function
		Sensitivity≥10,000mV·mL/mg
		Baseline drift(30 min): ≤0.2mV
	Flame Photometric Detector(FPD)	Baseline noise: ≤0.05mV
		Dynamic linear range: ≥10 ⁵
		Safety protection: Gas bridging current protection function
	Electron Capture Detector(ECD)	Maximum operating temperature: 450°C
Limits of detection: P≤80fg/s(methyl parathion), S≤8pg/s(methyl parathion)		
Dynamic linear range: P≥10 ³ ; S≥10 ²		
Nitrogen-phosphorus Detector(NPD)	Equipped with automatic ignition function	
	Radioactive source: 63Ni	
	Maximum operating temperature: 400°C	
Selectable Sample Injection Method	Limit of detection: ≤1.0*10 ⁻¹⁴ g/mL(γ-666)	
	Dynamic linear range: ≥10 ⁴	
	Dynamic linear range: N≥10 ³ , P≥10 ³	
Standard Accessories	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.	
Optional Accessories	FID detector, chromatography workstation software, capillary sampler	
Power Supply	Sample injection system, TCD, ECD, FPD and NPD detector, chromatographic column, nickel catalytic converter	
Product Size(W*D*H)	AC220V, 50/60Hz	
Net Weight	610*530*500mm	
Packing Size(W*D*H)	50kg	
Gross Weight	800*640*750mm	
	63kg	

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