

Chromatograph

Gas Chromatograph

Features:

- * 7-inch LCD display indicates temperature, gas flow and heating curve.
- * Self-test function and automatic fault recognition function.
- * 8 pcs external extension interfaces can connect with control valve.
- * Equipped with a flame ionization detector (FID).
- * Multi-core and 32-bit embedded hardware system ensures the reliable operation.
- * Synchronous external trigger function and the external signal (auto sampler, thermal analyzer, etc.) can start the equipment and workstation software at the same time.
- * With chromatography workstation software to process data.
- * Memory function: can store 20 sample test modes.
- * One key start up function.



Technical Parameters:

Model	BK-GC112A	
Oven	Capacity	22L
	Temp. Range	RT+5°C~400°C
	Temp. Accuracy	±0.1°C
	Temp. Program	9 step
	Program Total Time	9999.9 min
Sample Injector	Max Temp. Heating Rate	60°C/min
	Temp. Range	RT+7°C~420°C
	Column or split injector can be installed	
	Carrier gas flow control type: Constant pressure mode	
	Max. Quantity	3pcs
Detector	Pre Column Pressure Range	0-400kpa
	Pre Column Pressure Accuracy	0.1kpa
	Flow Setting Range	H2: 0-200ml/min N2: 0-150ml/min
	Temp. Range	RT+7°C~420°C
	Hydrogen Flame Ionization Detector (FID)	Logarithmic amplifier
		High voltage switch control
		Baseline signal display
		Detection limit: $\leq 3 \times 10^{-12}$ g/s (Sample: n-hexadecane)
		Baseline noise: $\leq 5 \times 10^{-14}$ A
	Thermal Conductivity Detector (TCD)(Optional)	Baseline draft: $\leq 6 \times 10^{-13}$ A
		Dynamic range: 10^7
		RSD: $\leq 3\%$
		Sensitivity: 8000mv.ml/mg(Sample: n-hexadecane)
		Baseline noise: ≤ 0.05 mV
		Baseline draft: ≤ 0.15 mV/30min
		Dynamic range: 10^5
Power Supply	AC220V±10%, 50Hz	
Standard Accessory	FID detector, Capillary injection system, Chromatography workstation software, RS232 port, LAN port	
Optional Accessory	TCD detector, Chromatographic column, Gas purifier	
Package Size(W*D*H)	735*725*835mm	
Gross Weight	80kg	

Features:

- * 5.7-inch LCD display indicates temperature, time and gas flow.
- * Can install packed column and capillary column at the same time
- * Self-test, power protection, keyboard lock, automatic ignition and anti power mutation interference function.
- * With chromatography workstation software to process data.
- * Equipped with a flame ionization detector (FID), and TCD, ECD, FPD, NPD are optional. Can install 3 detectors at the same time.
- * Can connect with Internet, realize data transfer and program upgrade automatically.
- * Double column compensation function, which can effectively restrain baseline drift and the influence of background noise.
- * Large capacity oven (300*280*180mm) can hold 2 pcs 0.32mm diameter capillary column (length: 80m).
- * Better thermal insulation effect: when the temp. of oven, vaporizing chamber and detector reach 300°C, the max. temp. of outer chamber is 40°C.



Technical Parameters:

Model	BK-GC7820	
Oven	Temp. Range	RT~450°C
	Temp. Accuracy	±0.1°C
	Temp. Program	16-phase
	Max. Temp. Heating Rate	40°C/min
	Hydrogen Flame Ionization Detector (FID)	Detection limit: $\leq 3 \times 10^{-12}$ g/s(Sample: n-hexadecane) Baseline drift: $\leq 1 \times 10^{-13}$ A/30min Linear range: $\geq 10^7$
Detector	Thermal Conductivity Detector (TCD) (Optional)	Sensitivity: >10000mv.ml/mg(Sample: n-hexadecane) Linear range: $\geq 10^5$
	Electron Capture Detector (ECD) (Optional)	Detection limit: $\leq 1 \times 10^{-14}$ g/ml(Sample: n-hexadecane 5-666) Linear range: $\geq 10^4$
	Flame Photometric Detector (FPD) (Optional)	Detection limit: $\leq 2 \times 10^{-11}$ g/s(S of thiophene)
		Detection limit: $\leq 1 \times 10^{-12}$ g/s(P of methyl parathion) Linear range (S): $\geq 10^3$ Linear range (P): $\geq 10^4$
	Nitrogen and Phosphorus Detector (NPD) (Optional)	Detection limit: $\leq 1 \times 10^{-12}$ g/s(Azobenzene)
		Detection limit: $\leq 1 \times 10^{-12}$ g/s(Marla sulphur phosphorous) Linear range: $\geq 10^3$
	Power Supply	AC220V±10%, 50/60Hz(Optional)
	Standard Accessory	FID detector, Chromatography workstation software, Capillary sampler
	Optional Accessory	Sample injection system, TCD, ECD, FPD and NPD detector, Chromatographic column
	Package Size(W*D*H)	820*670*600mm
	Gross Weight	71kg