

## 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) which adopts APC control
- \* Multi-core and 32-bit embedded hardware system ensures the reliable operation
- \* Synchronous external trigger function and the external signal (auto sampler, hot analytical instruments, etc.) can start the equipment and workstation software at the same time
- \* With chromatography workstation software to process data



### Technical Parameters:

Model	BK-GC112A		
Oven	Temp. Range	RT+5°C~400°C	
	Temp. Accuracy	±0.02°C	
	Temp. Program	9-phase/ 10 platform	
	Max Temp. Heating Rate	60°C/min	
Sample Injector	Temp. Range	RT+7°C~420°C	
	Column or split injector can be installed		
	Split mode can directly set the split ratio		
	Constant pressure mode		
Detector	A separate injection system is connected		
	Temp. Range	RT+7°C~420°C	
	Hydrogen Flame Ionization Detector (FID)	Logarithmic amplifier	
		High voltage switch control	
		Baseline signal display	
		Ignition coil control	
		Detection limit: ≤3*10 <sup>-12</sup> g/s (Sample: n-hexadecane)	
	Thermal Conductivity Detector (TCD)(Optional)	Dynamic range: 10 <sup>7</sup>	
		Bridge voltage switch control	
		Bridge current setting: 0-220mA	
Sensitivity: 6000mv.ml/mg			
Dynamic range: 10 <sup>5</sup>			
Power Supply	AC220V±10%, 50/60Hz		
Standard Accessory	FID detector, Capillary injection system, Chromatography workstation software		
Optional Accessory	TCD detector, Chromatographic column, Gas purifier		
Package Size(W*D*H)	1020*660*740mm		
Gross Weight	82kg		

## Gas Chromatograph

### 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.
- \* Can connect with Internet, realize data transfer and program upgrade automatically
- \* Equipped with a flame ionization detector (FID), and TCD, ECD, FPD, NPD are optional. Can install four detectors at the same time.
- \* 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
- \* With chromatography workstation software to process data



### 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
Detector	Hydrogen Flame Ionization Detector (FID)	Detection limit: ≤3*10 <sup>-12</sup> g/s(Sample: n-hexadecane) Baseline drift: ≤1*10 <sup>-13</sup> A/30min Linear range: ≥10 <sup>7</sup>
	Thermal Conductivity Detector (TCD) (Optional)	Sensitivity: >10000mv.ml/mg(Sample: n-hexadecane) Linear range: ≥10 <sup>5</sup>
	Electron Capture Detector (ECD) (Optional)	Detection limit: ≤1*10 <sup>-14</sup> g/ml(Sample: n-hexadecane 5-666) Linear range: ≥10 <sup>3</sup>
	Flame Photometric Detector (FPD) (Optional)	Detection limit: ≤2*10 <sup>-11</sup> g/s(S of thiophene)
		Detection limit: ≤1*10 <sup>-12</sup> g/s(P of methyl parathion) Linear range (S): ≥10 <sup>2</sup> Linear range (P): ≥10 <sup>3</sup>
	Nitrogen and Phosphorus Detector (NPD) (Optional)	Detection limit: ≤1*10 <sup>-12</sup> g/s(Azobenzene)
		Detection limit: ≤1*10 <sup>-12</sup> g/s(Maria sulphur phosphorous) Linear range: ≥10 <sup>3</sup>
Power Supply	AC110/220V±10%, 50/60Hz	
Standard Accessory	FID detector, Chromatography workstation software	
Optional Accessory	Sample injection system, TCD, ECD, FPD and NPD detector, Chromatographic column	
Package Size(W*D*H)	800*570*650mm	
Gross Weight	75kg	