



PRODUCT CATALOG



CHROMATOGRAPHY BHB-302

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GAS CHROMATOGRAPHY

The Gas chromatograph system is a new product with an intelligent interconnection system for the new century. It features a large-sized touch-capacitive display for easy and fast switching between functions, and it combines external control with intelligent interconnection to meet specific analytical needs. Additionally, this instrument is equipped with a high-performance IoT (Internet of Things) system. It has an upgraded 6th-generation EPC (Electronic pneumatic control) function, making the instrument more intelligent and integrated. The inclusion of Bluetooth allows for digital control of the instrument, and the variable frequency temperature control system improves temperature accuracy and control efficiency.




- High-precision gas flow control system with 8th-generation EPC.
- Built-in one-key factory calibration function.
- super-silent variable frequency motor system.
- Bluetooth data transmission and control.
- Intelligent program temperature control system.
- colorful 7-inch LED screen design
- FID detector features automatic ignition, flameout, and automatic gas circuit opening. Achieving intelligent control mode.
- Data communication: Ethernet (LAN), RS-232 serial interface, online remote control system data transmission.

SPECIFICATIONS

Model	BHB-302
General Specifications	
--Temperature control zones	8 channels
--Temperature control range	5°C to 350°C above room temperature
--Increment	1°C
--Accuracy	±0.01°C
--Program temperature ramp steps	32 steps / 33 platforms.
--Number of detectors	3 (maximum); options include FID, TCD, ECD, FPD, NPD, PDHID.
Flame Ionization Detector (FID)	
--Minimum LOD	≤3x10 ⁻¹² g/s (n-hexane to iso-octane solution)
--Baseline noise	≤5x10 ⁻¹⁴ A
--Baseline drift	≤1x10 ⁻¹³ A/30 min
--Linear dynamic range	≥10 ⁶
Thermal Conductivity Detector (TCD)	
Electron Capture Detector (ECD)	
--Radiation source	63Ni
Flame Photometric Detector (FPD)	
Alt Name	Gas Chromatography

ITEMS INCLUDED

No	Image	Name	Description

1		Headspace Sampler	<p>The Smart Cloud Platform Multi-Position Headspace Sampler is a newly developed and designed smart functional headspace sampler by our company. It emphasizes intelligent features and visual memory capabilities. With its innovative structural design that utilizes XYZ three-axis movement, it boasts accurate positioning, precise operation algorithms, short trajectory curves, high speed, efficiency, and user-friendly operation. It comes standard with a heating oscillation function.</p>
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APPLICATIONS

The Gas Chromatograph has a wide range of applications, and customized instruments are more scientific. It is used in various industries, such as industrial and mining enterprises, third-party testing organizations, pharmaceutical companies, universities, research institutions, quality inspection, environmental testing, petrochemicals, food safety, and other fields for qualitative and quantitative analysis and testing.



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