BioLAB

PRODUCT CATALOG

GAS CHROMATOGRAPHY BCHR-108

CE ISO9001 CERTIFIED

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GAS CHROMATOGRAPHY BCHR-108

Chromatography is a technique that enables the separation, identification, and purification of the components of a mixture for qualitative and quantitative analysis. Our extensive range offers variety of products like Gas, Ion and Portable Ion chromatography products to meet all separation needs, including improved resolution, enhanced sensitivity, faster analysis and consistent performance.
Used in Food Testing, Chemical Industry, Beverage Testing, Drug testing, Forensic Science, Pharmaceutical, Molecular Biology, Medical, Research, Laboratory.
Also known as Laboratory Chromatography.

BCHR-108 GAS CHROMATOGRAPHY

The host uses a 7-inch color touch screen, electronic display gas flow and pressure values.

Computer anti-control (need to choose PC-side anti-control software) and the host touch screen to achieve synchronous two-way control.

Multi-core, 32-bit embedded hardware system to ensure reliable operation of the instrument.

One key to start function.

Extensible synchronous external triggering function can be initiated by external signals (autosampler, thermal analyzer, etc.) at the same time to start the host and workstation.

It has a perfect system self-test function and automatic fault recognition.

Extended interface with 8 external events, which can be equipped with various function control valves and operate according to their own timing.

20 sets of sample test mode memory function.

SPECIFICATIONS

Model	BCHR-108
Column Oven	
Inner volume	22 L
Temperature Range	5°C - 400°C (room temperature)
Temperature Control Accuracy	± 0.1°C
Heating Rate	0.1 - 60°C /min
The order of heating of the program	9
Program Temperature Repeatability	≤ 2%
Cooling Method	After the door
Cooling Rate	≤ 10 mins (250°C - 50°C)
Sampler	
Temperature Control Range	7°C - 420°C (room temperature)
Temperature Control Mode	Independent temperature control
Carrier gas flow control mode	Constant pressure
Number of simultaneous installations	Up to 3
Injection unit type	Packed column, shunt
Split ratio	Display
Pre column pressure range	0-400 kpa
Pre column pressure control accuracy	0.1 kpa
Flow setting range	H20 - 200 ml / min N20 - 150 ml / min
Hydrogen flame ionization detector (FID)	

Temperature control range	7°C – 420°C (room temperature)
Number of simultaneous installations	Up to 2
Ignition function	Automatic
Detection limit	≤ 3x10-12 g/s (n-hexadecane)
Baseline noise	≤ 5x10-14 A
Baseline drift	≤ 6x10-13 A
Dynamic range	107
RSD	≤ 3%
Thermal Conductivity Detector (TCD)	
Sensitivity	5000 mV.ml / mg (n-hexadecane)
Baseline noise	≤0.05 mV
Baseline drift	≤0.15 mV / 30 min
Dynamic range	105
Other Specifications	
Power supply voltage	220 V ± 22 V, 50 Hz ± 0.5 Hz
Power	3000 W

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