



CHROMATOGRAPHY BCHR-107

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GAS CHROMATOGRAPHY

As a new generation instrument, Gas Chromatograph applies the computer reverse control technology and can conduct remote detection and fault diagnosis, equipped with a flame ionization detector (FID).



PC control, user-friendly interface, and easy to operate.
Temperature control is of high accuracy (better than $\pm 0.1^{\circ}\text{C}$). The heating speed is fast and the overshoot temperature is small.
Self-diagnosis, power protection, oven over-temperature protection, and automatic ignition.
It can accurately display the temperature control settings, actual value, and FID amplifier sensitivity.
The single gas system and precise scale pneumatic control valve contribute to excellent reproducibility and stability and can perform analysis of packed column or capillary with wide diameter of 0.53mm.
Packed columns: on-column injection, instantaneous vaporization injection, gas injection.

SPECIFICATIONS

Model	BCHR-107
Temperature Control	
- Temperature area	column oven, sampler, detector
- Temperature range	15°C ~399°C above room temperature (increment: 1°C)
- Temperature accuracy	better than $\pm 0.1^{\circ}\text{C}$ (measured at 200°C)
Flame Ionization Detector (FID)	
- Detection limit	$Dt \leq 1 \times 10^{-10} \text{g/s}$ (octane and hexadecane)
- Baseline drift	$\leq 2 \times 10^{-12} \text{A/h}$
- Linear range	$\geq 10^6$
- Max. limit temperature	400°C
Others	
- Voltage	220V \sim $\pm 22\text{V}$ 50Hz $\pm 0.5\text{Hz}$
- Power	$\leq 1500\text{W}$
- Dimensions	575mm (L) x 480(W) x 490mm (H)
- Weight	50kg
Optional	NJ2000 chromatography workstation
Alt Name	Gas Chromatography

FEATURES

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It can accurately display the temperature control settings, actual value, and FID amplifier sensitivity.
The single gas system and precise scale pneumatic control valve contribute to excellent reproducibility and stability and can perform analysis of packed column or capillary with wide diameter of 0.53mm.
Packed columns: on-column injection, instantaneous vaporization injection, gas injection.
An open computer system and NJ2000 chromatography workstation can work together to process data.
A large capacity oven (300mmx280mmx270mm) facilitates the installation of packed columns and capillary.
Built-in heating wire structure.



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