



CHROMATOGRAPHY BCHR-106

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PORTABLE ION CHROMATOGRAPHY

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 a 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.



Powerful data processing system:

Iconic display, customizable interface, integration of instrument control, data analysis and processing, data sharing module for on-site and remote data sharing through 4G network.

Quick chromatographic columns for 5-min rapid detection:

Original quick chromatographic columns for on-site quick detection of anions and cations.

Intelligent flow path cleaning makes easier cleaning:

The flow path is designed with a switching valve for free switching of eluent bottles and pure water bottles.

WI-FI communication, real-time operation:

Being equipped with a tablet/laptop makes real-time operation more flexible and

SPECIFICATIONS

Model	BCHR-106
Ion Chromatographic Pump	
- Maximum Pressure	35 MPa (PEEK)
- Type	High-pressure and low-pulse two-piston tandem advection pump
- Flow Range	0.001 ~ 9.999 mL/min
- Flow Accuracy	±0.5%
- Flow Repeatability	RSD≤0.1%
- Flow Stability	(0.2-0.5) mL/min ≤ 3%; (0.5-1.0) mL/min ≤ 2%; >1.0 mL/min ≤ 2%
- Numerical-control and Electromagnetic Sample Injector	
- Control Mode	By Stepper motor
- Power Supply	24 V (DC)
Column Heater	
- Operating Temperature Range	Room temperature +5°C~60°C (41~140°F)
- Allowable Deviation of Column Heater's Temperature	±1°C
- Temperature Stability	≤0.5°C/h
Conduction Detection System	
- Cell Volume	≤0.8μL
- Detection Mode	Bipolar conductivity detection
- Detection Range	0~45000 μS/cm (adjustable)
- Detection Resolution	≤0.0020nS/cm
- Output Voltage	-6000~+6000 mV (adjustable)
- Baseline Noise	≤0.5% FS
- Baseline Drift	≤20% FS/30 min
- Controlling Temperature Accuracy	±0.01°C
- Instrument Linearity	≥0.999
- Quantitative Repeatability	≤0.5%
- Qualitative Repeatability	≤2%
Flow System	

- Minimum Detectable Concentration	Cl ⁻ ≤0.005 µg/mL; Li ⁺ ≤0.001 µg/mL
- Six-way Valve	PEEK material, pressure 5000 psi; Independent automatic collecting and flow function.
Panel Computer	
- Display Screen	12.3 inch
- Internal Memory	2 G
- Weight	786 g
- Minimum Pressure	5 MPa
Suppressor	
- Dead Volume	<30 µL
Other Specifications	
- Dimension (LxWxH)	330x220x310 mm
- Net Weight	8 kg
- Gross Weight	11 kg
- Battery Capacity	5000 mAh
- Power	150 W
Alt Name	Portable Ion Chromatography

FEATURES

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WI-FI communication, real-time operation:

Being equipped with a tablet/laptop makes real-time operation more flexible and conveniently.

Upgrade-supported dual detectors (Conductivity Detector and ampere detector) to meet the needs of different industries.

APPLICATIONS

Food Testing, Chemical Industry, Beverage Testing, Drug testing, Forensic Science, Pharmaceutical, Molecular Biology, Medical, Research, Laboratory.



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