BIOLAB

PRODUCT CATALOG

CHROMATOGRAPHY BCHR-108

CE ISO9001 CERTIFIED

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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 a 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.
Has a perfect system self-test function and automatic fault recognition.
Extended interface with 8 external events, which can be equipped with various fu

SPECIFICATIONS

Model	BCHR-108
Column Oven	
- Inner volume	22L
- Temperature range	5°C - 400°C at 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	room temperature 7°C - 420°C
- 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	Pre column pressure control accuracy: 0.1 kPa
- Flow setting range	H2O-200 ml/min, N2O-150 ml/min
- FID, TCD	optional one
Detector	
- Ignition function	automatic
- Detector	Hydrogen flame ionization detector (FID)
- Detection limit:	$\leq 3\times10^{-12}$ g/s (n-hexadecane)
- Baseline noise	$\leq 5\times10^{-14}$ A
- Baseline drift	$\leq 6\times10^{-13}$ A
- Dynamic range	10^{7}
- RSD	≤3%
- Sensitivity	5000 mV·ml/mg (n-hexadecane)
Thermal Conductivity Detector (TCD)	
- Power supply voltage	220V ±22V, 50Hz ±0.5Hz
Power	Power: 3000W

Alt Name	Gas Chromatography

FEATURES

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One key to start a 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.
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 functions.
RS232 communication port.

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