

GAS CHROMATOGRAPHY SYSTEM LTCGR8-8



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

LTCGR8-8 GAS CHROMATOGRAPHY SYSTEM

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	LTCGR8-8
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	H2O - 200 ml / min N2O – 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	$\leq 3 \times 10^{-12}$ g/s (n-hexadecane)
Baseline noise	$\leq 5 \times 10^{-14}$ A
Baseline drift	$\leq 6 \times 10^{-13}$ A
Dynamic range	107
RSD	$\leq 3\%$
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 \pm 22 V, 50 Hz \pm 0.5 Hz
Power	3000 W



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