

GAS CHROMATOGRAPHY CHR12-399G



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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.

CHR12-399G GAS CHROMATOGRAPHY

PC control, user-friendly interface, and easy to operate.

Heating speed is fast and 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.

Open computer system and chromatography workstation can work together to process data.

Large capacity oven facilitates the installation of packed column and capillary.

Built-in heating wire structure.

RS232 communication port.



SPECIFICATIONS

| Model | CHR12-399G |
|--|--|
| Column Oven | |
| Temperature Range | 15°C – 399°C above room temperature (increment: 1°C) |
| Temperature Control Accuracy | Better than $\pm 0.1^\circ\text{C}$ (measured at 200°C) |
| Hydrogen flame ionization detector (FID) | |
| Detection limit | $\text{Dt} \leq 1 \times 10^{-10} \text{ g/s}$ (octane and hexadecane) |
| Baseline drift | $\leq 2 \times 10^{-12} \text{ A/h}$ |
| Linear range | ≥ 106 |
| Max. limit temperature | 400°C |
| Other Specifications | |
| Dimension (LxWxH) | 575x480x490 mm |
| Weight (Kg) | 50 |
| Power supply voltage | 220 V - $\pm 22 \text{ V}$ 50 Hz $\pm 0.5 \text{ Hz}$ |
| Power | $\leq 1500 \text{ W}$ |

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