



GC-46

Electronic Pressure Flow Monitoring Gas Chromatography



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GC-46 gas chromatography is a new generation of gas chromatograph with high stability and reliability, which is suitable for routine testing. It is equipped with advanced electronic pressure and flow measurement monitoring EPFM module, by adjusting gas circuit knob, can get gas parameters easily in the host screen and workstation, including the pressure and flow of carrier gas, hydrogen, air etc, and the injection port diversion ratio, column flow, etc. No flow meter measurement and manual calculation required, easy to operate.

GC-46 gas chromatography is widely used in petrochemical, fine chemical, biological medicine, environmental protection, food hygiene, high purity gas, electricity, wine making, scientific research and education and other fields of analysis, is the best choice for daily detection.

The machine can be installed at most three injection ports and three detectors; Easy to install automatic liquid sampler and special custom valve system to achieve high throughput analysis.

GC-46 series networked gas chromatography can be equipped with 6-bit, 15-bit and 150-bit liquid automatic sampler, and each parameter can be controlled by counter-control software, which will bring better repeatability and improve work efficiency, while eliminating errors caused by manual injection.



Features & Technical Parameters

1. 5.7-inch dot-matrix LCD large liquid display, support Chinese and English switch.
2. Gas circuit manually control electronic pressure flow monitoring, networking communication (Ethernet interface IEEE802.3), computer online full control operation.
3. SE series models adopt 1/16in imported stainless steel pipelines and stainless steel joints; The sample inlet and the vaporization chamber of the detector are specially treated to minimize the dead volume of the sample and the adsorption of the tube wall on the sample. With electronic flow monitoring, economic and practical, intuitive and convenient operation.
4. All detectors and injection ports can be equipped with electronic pressure flow monitoring, electronic pressure flow monitoring parameters (E/SE series)
5. Manual gas circuit control pressure and flow display: electronic pressure and flow measurement display, and can display pressure and flow in the anti-control software.
6. Full electronic pressure and flow measurement system: maximum number of measurement channels is 16.
7. Pressure Sensor:
 - Degree of accuracy: Full range $<\pm 2\%$;
 - Repeatability $<\pm 0.05\text{Kpa}$;
 - Temperature Coefficient $<\pm 0.01\text{Kpa}/^\circ\text{C}$
 - Measuring Range 0~0.3Kpa or 0~0.6Kpa;
8. Flow Sensor:
 - Degree of accuracy: Full range $<\pm 2\%$;
 - Repeatability $<\pm 0.05\text{Kpa}$ (Full Range);
 - Measuring Range: 0~500sccm;

