

SK-3Q06 FID Gas Chromatograph

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Overview

- SK-3Q06 FID gas chromatograph is the latest generation of FID gas online chromatograph produced by Shanghai Shenkai Petroleum & Chemical Equipment Co., Ltd. for on-site gas logging. With new modular structural design and high-precision electronic pressure control (EPC) technology, it can be used to achieve rapid online detection of C1~C5 for 30 seconds, and the detection sensitivity of each component can reach $1\mu\text{mol/mol}$ (1ppm).

Features

- Higher-sensitivity FID detection and better chromatographic resolution;
- The detection level of C1~C5 components and total hydrocarbons reaches $1\times 10^{-6}\sim 1$;
- High-precision gas path flow control (EPC);
- Support multiple output methods including recorder, network, printing, VGA display, USB storage, etc.;
- Support external computers;
- New modular structural design for easy installation, on-site maintenance and replacement;
- High compatibility (fully compatible with SK-3Q04).



Technical Indicators

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Power supply	220V \pm 10% AC, 50 Hz \pm 1 Hz
Overall power	\leq 800 W
Working temperature	0°C~35°C
Relative humidity	45%~85%
Analysis cycle	30/90s, and user-defined cycle (30~180s)
Methylethane resolution	500:1 C1/C2 clearly distinguishable, with a resolution \geq 0.95
Minimum detection concentration	total hydrocarbon: $1\mu\text{mol/mol}$ Component: $1\mu\text{mol/mol}$
Measurement range	total hydrocarbon: $1\sim 1\times 10^6\mu\text{mol/mol}$ Component: $1\sim 1\times 10^6\mu\text{mol/mol}$
Noise	\leq 0.5% F.S
Baseline drift	\leq 1% F.S./h
Repeatability error	\leq 2.5% F.S.