

SK-3Q06 FID Gas Chromatograph

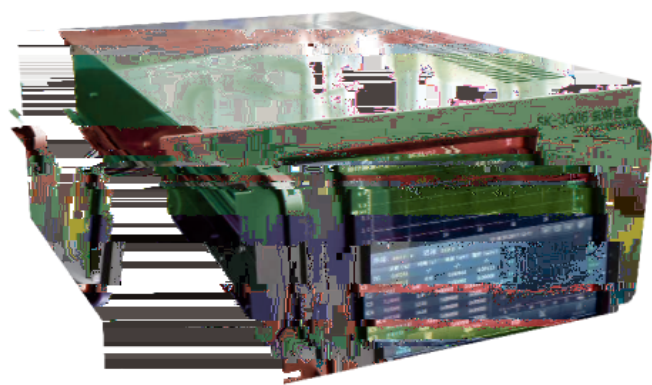
SK-3Q06 FID Gas Chromatograph

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 1μmol/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 μ mol/mol Component: 1 μ mol/mol
Measurement range	total hydrocarbon: 1~1 $\times$ 10 ⁶ μ mol/mol Component: 1~1 $\times$ 10 ⁶ μ mol/mol
Noise	$\leq$ 0.5% F.S
Baseline drift	$\leq$ 1% F.S./h
Repeatability error	$\leq$ 2.5% F.S.