

# SK-3Q07 FID Gas Chromatograph

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### Overview

- SK-3Q07 FID gas chromatograph is the latest generation of ultra-fast analytical cycle FID gas online chromatograph produced by Shanghai Shenkai Petroleum & Chemical Equipment Co., Ltd. for on-site gas logging. With new modular structure design and high-precision electronic pressure control (EPC) technology, the instrument can be used to achieve fast online detection of C1 C1~C5 for 15 seconds.

### Features

- C1~C5 component analysis can be achieved in a 15s analysis cycle;
- The detection level of C1~C5 components and total hydrocarbons can reach  $1 \times 10^{-6} \sim 1$ ;
- High-precision gas path flow control (EPC);
- Support multiple output methods including recorder, network, printing, VGA display, and USB storage;
- 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	15s, and user-defined cycle (15 ~ 180s)
Methylethane resolution	1 C1/C2 clearly distinguishable, with a resolution $\geq$ 0.95
Minimum detection concentration	total hydrocarbon: 1 $\mu$ mol/mol; Component: 1 $\mu$ mol/mol;
Measurement range	total hydrocarbon: 1 ~ 1 $\times$ 10 <sup>6</sup> $\mu$ mol/mol; Component: 1 ~ 1 $\times$ 10 <sup>6</sup> $\mu$ mol/mol;
Noise	$\leq$ 0.5% F.S
Baseline drift	$\leq$ 1% F.S./h
Repeatability error	$\leq$ 2.5% F.S.