

# SK-3Q06 FID Gas Chromatograph

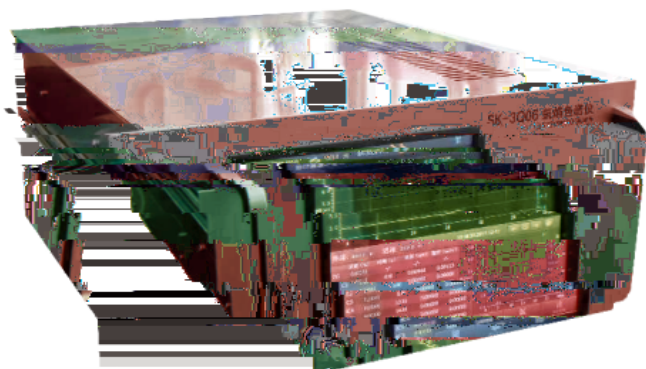
## SK-3Q06 FID Gas Chromatograph

### 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

| Technical Indicators            |                                                                                                              |
|---------------------------------|--------------------------------------------------------------------------------------------------------------|
| 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 $\mu$ mol/mol<br>Component: 1μmol/mol                                                   |
| Measurement range               | total hydrocarbon: 1~1 $\times$ 10 <sup>6</sup> μmol/mol<br>Component: 1~1 $\times$ 10 <sup>6</sup> μmol/mol |
| Noise                           | $\leq$ 0.5% F.S                                                                                              |
| Baseline drift                  | $\leq$ 1% F.S./h                                                                                             |
| Repeatability error             | $\leq$ 2.5% F.S.                                                                                             |