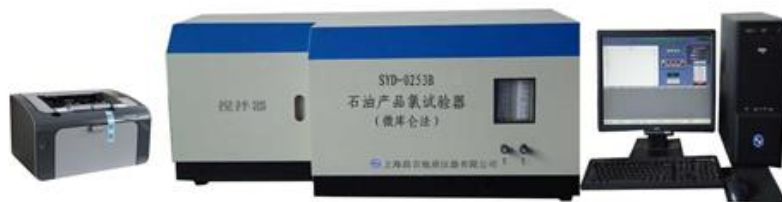


# SYD-0253B Coulometric Chlorine Analyzer



## Summary

This instrument uses micro-coulometry technology computer to control the micro-coulomb titration. It's the newest product, having a reliable result, easy to operate, stable performance, easy to install to and so on. It is used to determine the trace chlorine of petrochemical products. It is widely used in petroleum, chemical industry, and scientific research institutions. Standards: SH/T 1757-2006, GB/T 18612-2011, ASTM D5808-09a, ASTM D5194-06.

## I. Main technical features

1. Micro-coulometry technology. PC equipped. Windows OS. Easy to operate.
2. Oxidation style. It determines the sulfur or chlorine in petrochemicals as per Faraday's Law.
3. Wide application scope and a good adaptation. It can be used to determine the sulfur or chlorine in liquid, gas or solid materials.
4. Self-developed operation and test software. It will complete the data collecting, processing, saving and printing automatically.
5. It needs less sample. Only 10 $\mu$ l for each test. The testing time is short. Only 1-2 minutes for each sample.

## II. Technical Specifications

1. Current: The maximum is  $\pm 2$ mA
2. Output voltage of amplifier: The maximum is  $\pm 30$ V
3. Bias voltage range: (0~500) mv, adjustable
4. Measuring range: 0.3mg/L~10000mg/L(dilutable for high concentration)
5. Repeatability error: (1)  $\leq 50\%$  when sample concentration  $< 1.0$ mg/L  
(2)  $\leq 10\%$  when  $1.0$ mg/L  $\leq$  sample concentration  $\leq 10$ mg/L  
(3)  $\leq 5\%$  when sample concentration  $> 10$ mg/L
6. Temperature control: Ambient to 1000 $^{\circ}$ C,  $\pm 1^{\circ}$ C
7. Power supply: AC 220V $\pm 10$ V, 50Hz $\pm 0.5$ Hz
8. Maximum power consumption: 3000W
9. Ambient temperature: (10~40)  $^{\circ}$ C.
10. Relative humidity:  $\leq 85\%$
11. Dimension: 700 mm $\times$ 480 mm $\times$ 540mm (PC is not included)
12. Net weight: 46kg (PC is not included)

## III. Air source

1. Oxygen: 99.5% (An oxygen bottle with a decrement gauge.)
2. Nitrogen:  $\geq 99.5\%$  (An nitrogen bottle with a decrement gauge.)