

SYD-0689 Ultraviolet Fluorescence Sulfur-in-Oil Analyzer



Summary

This instrument is used to determine the total sulfur content by the ultraviolet fluorescence method. It improves the ability of anti-jamming and avoids the complicated operation of titration pool and factors of instability which used Coulometry. So the sensitivity of the instrument is greatly improved. The key components of the system adopt imported components to protect the detector light leakage and steam leakage and make the machine has a reliable guarantee. Standards:SH/T 0689—2000, ASTM D 5453 -2006

I. Main technical features

Based on Windows (7, XP, Me, 98) English user's interface to make the operation more convenient and fast.. Operator only need to click the mouse, and it can complete all of the parameter settings. The data collecting, processing, storage, and printing are fully controlled by a computer.

II. Main technical specifications

1. Standard configuration: Printer + Computer + SYD 0689 + Liquid injector
2. Other optional parts: Solid sample injector, gas sample injector
3. Sample types: Solid, gas and liquid
4. Determination method: Ultraviolet fluorescence method (S)
5. Sample injection quantity: Solid: 1-20mg; Liquid: 5-20 μ L; Gas: 1-5mL
6. Measuring range: 5ppm ~5000ppm (High concentration should be diluted, Low concentration gas sample is up to 0.1ppm)
7. Measuring range

Concentration values (ppm)	Injection quantity (μ L)	RSD (%)
0.2	20	25
5	10	10
50	10	5
100	10	3
5000	10	3

8. Temperature range: Ambient to 1150 $^{\circ}$ C
9. Temperature control precision: $\pm 1^{\circ}$ C
10. Air supply requirements: High purity argon: above 99.9% ; High purity oxygen: above 99.9%
11. Power supply: AC220V \pm 22V, 50Hz \pm 0.5Hz, 1500 W
12. Dimension: Host 305(W) \times 460(D) \times 400(H)mm; Temp controller: 550(W) \times 460(D) \times 400(H)mm
13. Net weight: Host 20kg, Temp controller: 40kg