Technical Specifications

UVF Sulfur-in-Oil Analyzer

Features:

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

What is UVF Sulfur in Oil Analyzer?

Sulfur is a natural present element in most hydrocarbon feed streams and responsible for many undesirable effects like catalyst poisoning, detrimental product quality and ecosystem pollution. So it is necessary to quantify and monitor the sulfur content in nearly every step of the industry´s operations, or for final product specification or regulatory control.
The Standard ASTM D5453 Test Method is the most used method for determination of Total Sulfur in Light Hydrocarbons, Spark Ignition Engine Fuel, Diesel Engine Fuel, and Engine Oil by Ultraviolet Fluorescence.
The UVF Sulfur Analyzer 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 makes the machine has a reliable guarantee.
Standards'/T 0689-2000, ASTM D 5453 -2006

Specifications:

Standard configuration	Printer + Computer + GD-5453 + Liquid injector					
Other optional parts	Solid sample injector, gas sample injector					
Sample types	Solid, gas and liquid					
Determination method	Ultraviolet fluorescence method (S)					
Sample injection quantity	Solid：1-20mg; Liquid：5-20μL; Gas：1-5mL					
Measuring range	5ppm~5000ppm (High concentration should be diluted, Low concentration gas sample is up to 0.1ppm)					
Measuring accuracy	Concentration values (ppm)	0.2	5	50	100	5000
	Inject Volume(μl)	20	10	10	10	10
	RSD (%)	25	10	5	3	3
Temperature range	Ambient to 1150°C					
Temperature control precision	±1°C					
Air supply requirements	High purity argon: above 99.9% High purity oxygen: above 99.9%					
Power supply	AC220V±22V，50Hz±0.5Hz，1500 W					
Dimension	Host:305(W)*460(D)*400(H)mm; Temp controller：550(W)*460(D)*400(H)mm					
Net weight	Host:20kg, Temp controller: 40kg					

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