5E Series
Fluorine/Chlorine Analyzer

Models Available

◎ 5E-FL2350 to test Fluorine and Chlorine content
◎ 5E-FT2320 to test Fluorine content
◎ 5E-CLT2310 to test Chlorine content

Application

5E Series Fluorine/Chlorine Analyzer is used to determine the fluorine and chlorine in coal or other combustibles by combustion hydrolysis method(Ion selective electrode method for F and potentiometric titration method for CI), which is widely applied in inspection company, coal-fired plants, coal mines, steel plants, petrochemical industry, etc.

Features

High Automation

Automatic analysis process available after sample loading.

High Efficiency

Two sample analysis for each batch and continuous analysis available.

High safety Assurance

Unattended operation with the protection of lack or overflow of water level.

Flexible Layout

No water tap is required around the instrument as it is equipped with water tank.

Specification

Model	**5E-FL2350**	
Conforms to Method	Fluorine: GB/T 4633, ASTM D5987, ISO 11724, AS 1038.10.4 Chlorine: GB/T 3558, ASTM D6721, ISO 587, SN/T 3596	
Measuring Range	Fluorine: 10-2000 ug/g	Chlorine: 0.003-0.4%
Sample Mass	0.5g	
High Temp Furnace Precision	1100 ± 10°C	
Analysis Time	1. Decomposition	35mins
	2. Calibration of electrode parameters	available to calibrate when decomposing the first batch of samples and not calculated to total analysis time
	3. Titration	Fluorine: 15mins / Chlorine: 15mins
	For dual sample analysis: 65min; For continuous analysis: 17.5min/sample (average)	
Sensitivity of Electrode Potential	0.1mV	
Minimum Filling of Injection Pump	50μL	
Accuracy	Within uncertainty range of standard sample	
Repeatability	15μg/g(Fad≤150μg/g), 10%(Fad＞150μg/g), 0.010% (CLad)	
Power Supply	Single phase, AC220V±10%, 50/60 Hz, ≤3.5 kW	
Net Weight	Analysis Unit: 130kg, Reservoir: 30kg	
Dimension (L×W×H)	Analysis Unit: 1400mm×600 mm×610mm, Reservoir: 900mm×500mm×510mm	