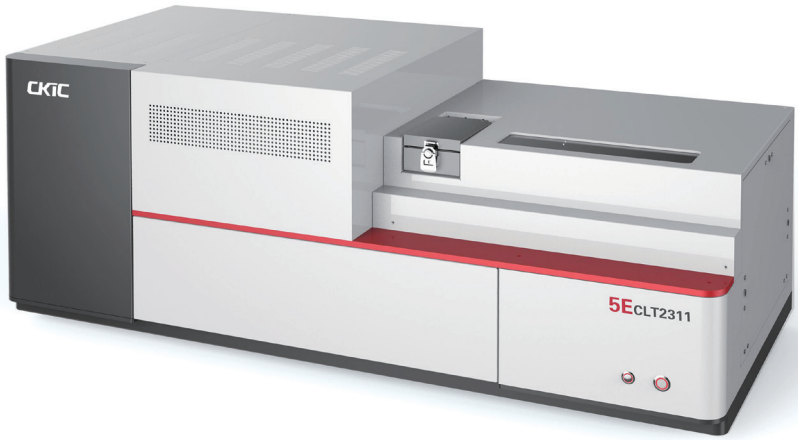
5E Series
Fluorine / Chlorine Analyzer

Models Available

◎ 5E-FT2301 to test Fluorine content
◎ 5E-CLT2311 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 Cl), which is widely applied in 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-FT2301	5E-CLT2311
Conforms to Method	Fluorine: GB/T 4633, ASTM D5987, ISO11724, AS 1038.10.4 Chlorine: GB/T 3558, ASTM D6721, ISO587, SN/T 3596	
Measuring Range	Fluorine: 10-2000μg/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: 20mins / Chlorine: 20mins
	For dual sample analysis: 75mins For continuous analysis : 20min/ sample (average)	
Sensitivity of Electrode Potential	0.1mV	
Minimum Filling of Injection Pump	50μL	
Accuracy	Within uncertainty range of standard sample	
Repeatability	15 μg/g (F_{ad}≤150μg/g), 10% (F_{ad}>150μg/g), 0.010% (CL_{ad})	
Power Supply	Single phase, AC220±10%, 50/60Hz, ≤3.5kW	
Net Weight	Analysis Unit:130kg, Reservoir: 30kg	
Dimension (L×W×H)	Analysis Unit: 1400mm×600mm×610mm Reservoir: 900mm×500mm×510mm	