



5E Series

Fluorine / Chlorine Analyzer

Models Available

- 5E-FL2350 to test Fluorine and Chlorine content
- 5E-FT2300 to test Fluorine content
- 5E-CLT2310 to test Chlorine content



Application

SE-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 potential metric 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 and quick analysis results available after sample loading.

High Efficiency

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

High Safety Assurance

Two sample analyses for each batch and continuous analysis available.

Flexible Layout

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

Note :

Due to keeping innovation, the specification and Machine pictures or color are subject to alteration without notice!

Specification

Model	SE-FL2350
Conforms to Method	Fluorine: GB/T 4633, ASTM D5987, ISO 587, AS 1038.10.4 Chlorine: GB/T 3558, ASTM D6721, ISO 11724, SN/T 3596
Measuring Range	Fluorine: 10-2000ug/g Chlorine: 0.003-0.4%
Simple 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
	Fluorine: 15mins Chlorine: 15mins
	For dual sample analysis: 65 min; For continuous analysis: 17.5 min/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, AC220±10%, 50/60Hz, ≤3.5kW
Net weight	Analysis Unit: 130kg, reservoir : 30kg
Dimension (L x W x H)	Analysis Unit: 1400mmx600mmx610mm Reservoir: 900mmx500mmx510mm