# 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<br>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;<br>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),<br>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,<br>Reservoir: 900mm×500mm×510mm | |