

# 5E-IRSII

## Automatic Infrared Sulfur Analyzer

### Standard Configuration

Computer	A/C adapter	Crucibles	Boat stop
Tool kit	H <sub>2</sub> O sorb reagent	Outer combustion tube	O-ring kit
Main analyzer	Silica wool	Inner combustion tube	Standard Reference Material(GBW)



## Application

5E-IRSII Infrared Sulfur Analyzer is used to determine the total sulfur content in coal, coke by infrared absorption, which is widely applied in power plants, coal mines, metallurgy, chemical industry, commercial inspection, scientific research, etc.

## Features

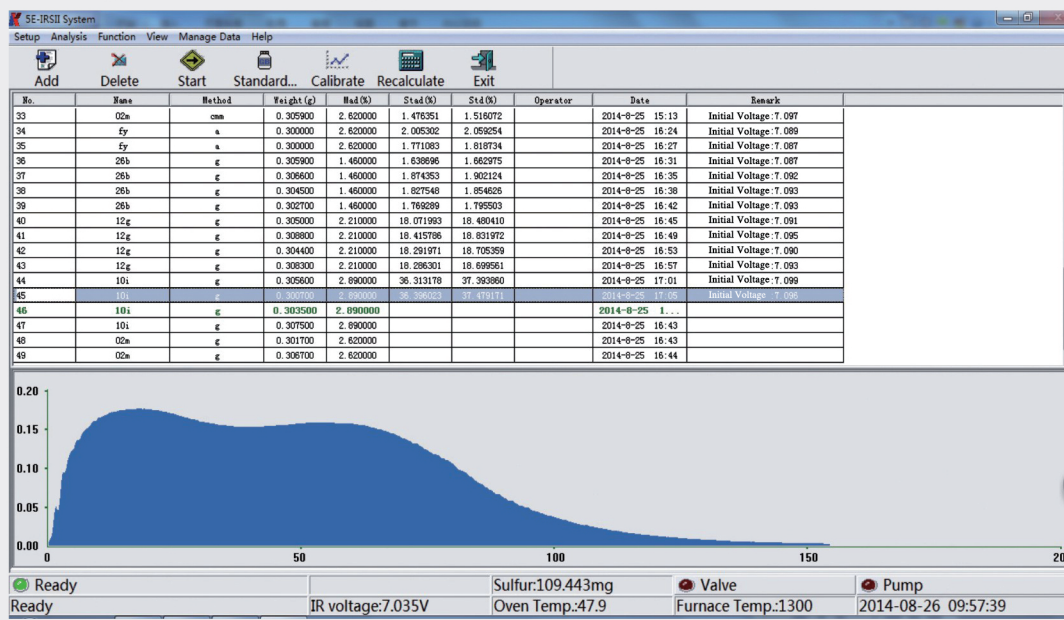
### Stability and Accuracy

1. Top quality ultra-low drift infrared cell to ensure stability, precision and accuracy.
2. Reliable single Si-C spiral tube heating components.
3. Unique gas tightness structure to avoid the effect of SO<sub>2</sub> in air.

### Easy Operation

1. The sample mass can be automatically sent to the computer by balance connection.
2. Upgraded gas circuit design and reliable components to minimize the maintenance work.
3. Unique "Quick Start" Button to simplify the operation.

## Intelligent Software System



## Test Data

Sample Name	Sample Weight	Mad (%)	Stad (%)	Std (%)	
Control 6H0160-1	0.3092	5.16	2.482	2.617	(+/- 0.066)
Control 6H0160-2	0.3077	5.16	2.496	2.632	
Average				2.624	
Reference Value				2.625	
ASTM D4239-10 Repeatability Limit (r)				0.099	
ASTM D4239-10 Reproducibility Limit (R)				0.256	
Repeatability				0.015	
Reproducibility				0.001	

**Conclusion:** 5E-IRSII Infrared Sulfur Analyzer exceeds the ASTM precision requirement

## Specification

Model	5E-IRSII
Conforms to Method	ASTM D4239, ISO19579 and GB/T25214
Max. Sample Loading	1 sample per batch manually
Analysis Method	Infrared absorption
Analysis Resolution	0.001% or 10ppm
Sulfur Range	0.01%-30% customized range available
Analysis Time per Sample	≤120s
Analysis Temp	1300°C
Temp. Control Precision*	± 1°C *
Sample Mass	200mg-400mg depends on sample condition
Power Supply	Single phases, AC220±10%, 50/60Hz, ≤4kW
Net Weight	60kg
Dimensions (L×W×H)	540mm×700mm×610mm

\* Varies with age of heating element