



5E-AS3200B

Automatic Coulomb Sulfur Analyzer

Standard Configuration

Computer	Glacial acetic acid
Printer	Tungsten trioxide
Main analyzer	Silica wool
Electrolytic cell	Crucibles
Potassium bromide	Tool kit
Potassium iodide	

Optional Configuration

Quartz sand for oil testing



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

Application

5E-AS3200B / 5E-S3200 Coulomb Sulfur Analyzer is used to determine the total sulfur content in coal and liquid fuel. A sample is combusted in a dry air atmosphere; the gases evolved go to a electrolytic cell containing platinum indicating electrodes and platinum electrolysis electrodes. A small current is produced as the sulfur reacts with electrodes; the current is balanced and equivalent to the amount of sulfur present in coal.

Features

Easy Operation

1. Auto self-diagnosis
2. protect heating components by over temperature alarms and auto heating off function.
3. Large volume reagent tube to minimize the maintenance of changing the reagent.

Cost Saving

The test can be performed without oxygen, and the desiccant can be used repeatedly

Additional feature for 5E-AS3200B

The operator is limited to just loading the sample onto the auto-loader.



5E-S3200

Columb Sulfur Analyzer

Standard Configuration

- Computer
- Printer
- Main analyzer
- Electrolytic cell
- Potassium bromide
- Potassium iodide
- Glacial acetic acid
- Tungsten trioxide
- Silica wool
- Crucibles
- Tool kit

Optional Configuration

- Quartz sand for oil testing



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Specification

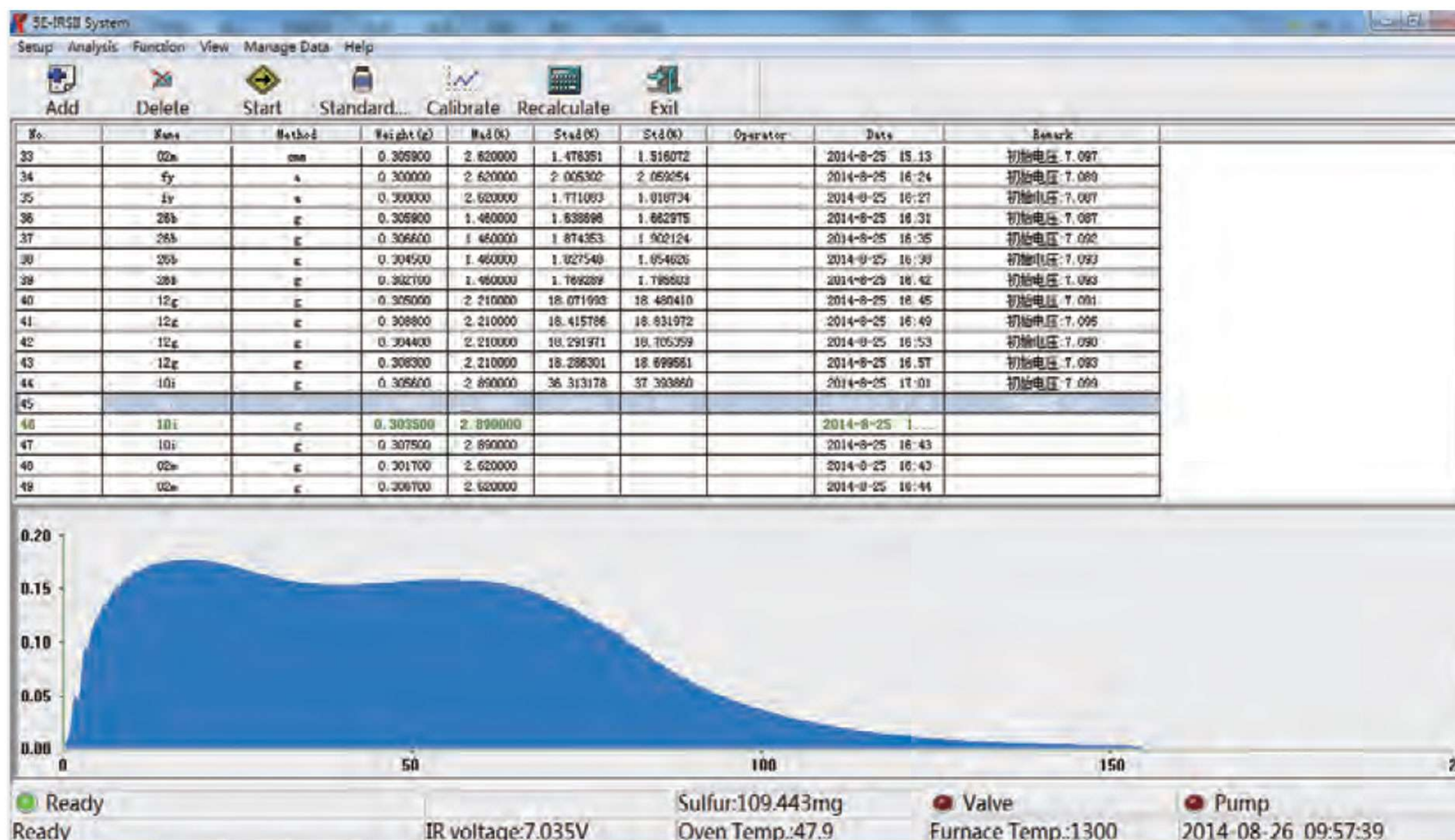
Model	5E-AS3200B	5E-S3200
Conforms to Method	GB/T214	
Analysis Resolution	0.01%	
Max. Sample Loading	20 samples per batch automatically	1 sample per batch automatically
Sulfur Range	0.01%-30% customized range available	
Min. Analysis Time	3mins	
Operation Temp	0-1200 ⁰ C selectable (for coal 1150 ⁰ C is recommended, for oil 920 ⁰ C is recommended)	
Temp. Control Precision	± 3 ⁰ C	
Sample Mass	45-55mg for coal, 80-100mg for oil	
Power Supply	Single phase, AC220 ± 10%, 50/60Hz, 3kW	
Net Weight	57kg	53kg
Dimensions (L x W x H)	996mmx530mmx412mm	968mmx510mmx345mm



5E-AS3200B

Automatic Coulomb Sulfur Analyzer

Intelligent Software System



Test Data

Sample Name	Sample Weight	Mad (%)	Std (%)	Std (%)	
Control 6H0160-1	0.3092	5.16	2.482	2.617	
Control 6H0160-2	0.3077	5.16	2.496	2.632	
Average				2.624	
Reference Value				2.625	(+/-0.66)
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-IRS3600	5E-IRSII
Conforms to Method	ASTM D4239, ISO19579 and GB/T25214	
Max. Sample Loading	Up to 60 samples per batch automatically	1 sample per batch manually
Analysis Method	Infrared absorption	
Analysis Resolution	0.001%	
Sulfur Range	0.01%-30% customized range available	
Analysis Time per Sample	≤120s	
Analysis Temp	1350 ⁰ C	
Temp. Control Precision	± 1 ⁰ C	
Sample Mass	200mg-400mg for coal and coke (300mg is recommended)	
Power Supply	Single phases, AC220 ± 10%, 50/60, ≤4kW	
Net Weight	70kg	60kg
Dimensions (L x W x H)	750mmx650mmx700mm	510mmx700mmx620mm

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