5E Series Elemental Analyzer

5E-AS3200B Automatic Coulomb Sulfur Analyzer

Standard Configuration

Tungsten trioxide Silica wool

Main analyzer Crucibles
Electrolytic cell Tool kit
Standard Reference Material(GBW)

Optional Configuration

Quartz sand for oil testing



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 Features for 5E-AS3200B

Unattended operation

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

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Model	5E-AS3200B	5E-S3200
Conforms to Method	GB/T 214	
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°C selectable (for coal 1150°C is recommended, for oil 920°c is recommended.)	
Temp. Control Precision	±3°C	
Sample Mass	45-55mg for coal, 80-100mg for oil	
Power Supply	Single phase, AC220V±10%, 50/60Hz, 3kW	
Net Weight	57kg	53kg
Dimensions(L×W×H)	996mm×530mm×412mm	968mm×510mm×345mm