

Sundy

Stock code:300515



SDICS450

Infrared Carbon and Sulfur Analyzer

<http://en.sandegroup.com>

Professionalism

Sundy continuously insists on independent innovation and attaches great importance to the acquisition and protection of intellectual property.

Member of "National Technical Committee on Coal Standardization Administration of China" (SAC/TC42).

Sundy has acquired 318 patents, among which 90 are invention patents.



Production Line	Meeting Room	R&D
Lab	Exhibition 2017	Public listed



Quality

ISO 9001 Quality Management System.

ISO 14001 Environmental Management System.

ISO 18001 Occupational Health and Safety Management System.

CE Certificate



SDICS450

Infrared Carbon and Sulfur Analyzer

50 sample position autoloader,
simultaneous determination of carbon and sulfur.



Dimensions: 890mm*670mm*650mm
Weight: 135kg

Application

Sundy SDICS450 Infrared Carbon and Sulfur Analyzer can be used to determine the carbon and sulfur content in coal, coke, ash, biomass fuels and other combustibles in fields of power plants, coal mines, paper plants, metallurgy, petrochemical, steel factory etc.

Conformance to Standards

- ▶ ISO 29541 Solid mineral fuels — Determination of total carbon, hydrogen and nitrogen content— Instrumental method.
- ▶ ISO 609 Solid mineral fuels — Determination of carbon and hydrogen — High temperature combustion method.
- ▶ ASTM D5373 Standard test methods for determination of carbon, hydrogen and nitrogen in analysis samples of coal and carbon in analysis samples of coal and coke.
- ▶ ISO 19579 Solid mineral fuels — Determination of sulfur by IR spectrometry .
- ▶ ASTM D4239 Standard test method for sulfur in the analysis sample of coal and coke using high temperature tube furnace combustion.

Specification

Method	Infrared absorption
Measuring Range	Carbon 0.1%-100% Sulfur 0.01%-50% (can be extended to 100%)
Sample Weight	100~500mg (100mg recommended)
Analysis Time	110s-210s
Autoloader	50 sample positions
Max Temperature	1450 ℃
Furnace Working Temperature	1250~1350 ℃
Temperature Control Accuracy	±1 ℃
Gas Requirement	Oxygen (purity≥99.5%, 99.9% purity is recommended, no electrolytic oxygen)
Power Supply	220V±10%, 50/60Hz
Max Power	4kW

Highlights

High automation, high test efficiency.

- ▶ Rapid Analysis time of 110-210 seconds.
- ▶ 50 samples auto-loader, high automation, no need attendance in the whole process. Manual sample introduction is also available.
- ▶ Patented technology of combustion gas curtain effectively ensures thorough combustion of sample and no emission of gas. Safe and environmental friendly.
- ▶ Filter wool can be replaced automatically, no damage to combustion tube and furnace.
- ▶ Easy and convenient for checking gas leakage, operators only need to click on the software.

Humanization design with stable performance.

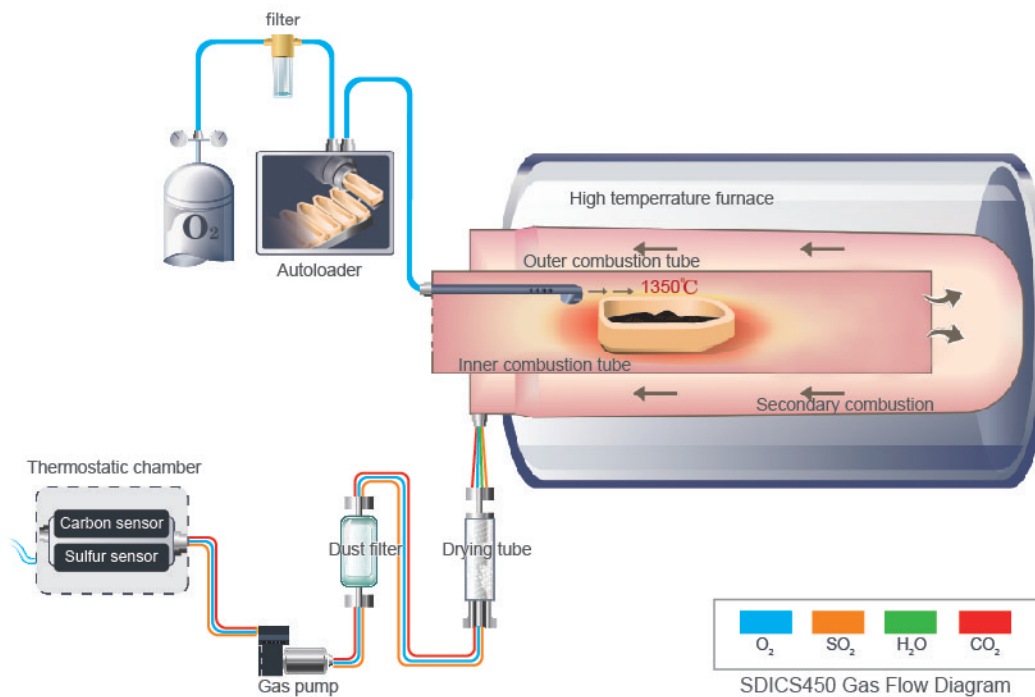
- ▶ Tailored boat shaped crucible can be placed at random.
- ▶ Automatic identification of crucibles by locator card, no need coding in advance.

High Precision.

- ▶ Specially designed high temperature combustion tube with secondary combustion function, makes sure the samples combust thoroughly.
- ▶ Self-developed low drift infrared cell guarantees that only one drift in a working day is enough for accurate test.

Intelligent control.

- ▶ Easy-to-use Windows-based software: It only needs to click the mouse after weighing and placing the samples.
- ▶ Easy data handling, real time data can be transmitted by internal network.
- ▶ Capable of connecting with network and balance by RS232 interface.





About us

Sundy, established in 1993, is a leading supplier of coal analysis total solutions in China. With 27 years development, Sundy provides products from individual mechanical samplers, sample preparation equipment & analysis instruments to fuel intelligent management systems, intelligent integrated sampling and sample preparation systems, intelligent dust extraction systems. Product application covers from coal production, coal consuming to coal trading, coal inspection and research, from the industries of power plant, coal, metallurgy and chemical, to the industries of building material, inspection and scientific research.

With the commitment of "Honesty, Cooperation, Profession, Innovation" and extensive experience in R&D and manufacturing, Sundy has acquired over 42% of domestic market share, and products have been sold to over 50 countries in the world including USA, UK, Italy, Russia, Indonesia, Mongolia, Rwanda, South Africa, Laos, Turkey, Greece, Thailand, Vietnam, Middle East, Brazil, etc.

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