

SDIS401 Infrared Sulfur Analyzer

Stable and reliable performance, easy to operate cost-effective.
Combine with SDCHN636, realize simultaneous determination of carbon, hydrogen, nitrogen, and sulfur elements.



Dimensions: 760mm*434mm*752mm
Weight: 80kg

Application

Sundry SDIS401 Infrared Sulfur Analyzer can be used to determine the 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 19579, ASTM D4239, ASTM D1552, ASTM D3177, ASTM D5016

Specification

Method	Infrared absorption
Test Range	0.01%-50% (can be extended to 100%)
Sample Weight	100~300mg (100mg recommended)
Total test Time	About 2.5 minutes / sample
Analysis Time	<2 minutes / sample
Sample Loading	1 sample
Max Temperature	1450 °C
Furnace Working Temperature	1250~1350 °C
Temperature Control Accuracy	±1 °C
Gas Requirement	Oxygen (purity≥99.5%, 99.9% purity is recommended, no electrolytic oxygen)
Pressure on Low Pressure Gauge	(0.28±0.01)MPa
Pressure of Oxygen Source	≥1MPa
Power Requirement	220V±10%, 50/60Hz
Max Power	4kW

Highlights

High precision

- ▶ Unique designed high temperature combustion tube with secondary combustion function, make sure the samples combust thoroughly.
- ▶ Adopted high sensitivity and low drift infrared cell, the measurement result is stable and reliable.

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.
- ▶ With Ethernet bus communication technology, one PC controls several analyzers.
- ▶ Capable of connecting with network and balance by RS232 interface.