CARBON AND SULFUR ANALYZER
CODE CSA-R300

CAN BE CUSTOMIZED FOR HIGH SULPHUR CHANNEL ACCORDING TO REQUIREMENTS

- Widely used in iron and steel metallurgy, powder metallurgy, magnetic materials, new energy, third-party testing, research institutes, etc.
- Analysis of carbon and sulfur in steel, cast iron, alloys, cement, sand, glass, lime, rubber, catalysts, soil, semiconductors, electronic materials, metal ores, ceramics and other solid materials
- Adoption of high-end infrared detection system and the core components of the air circuit system ensures the stability and accuracy of detection
- The high-frequency heating system adopts special high-frequency capacitors to ensure the long-term reliability of high-frequency work
- Adopt German imported special external metal dust filter, easy to dismantle, easy to clean
- Electronic balance for accurate weighing, auto-matic tare of crucible mass, auto-matic input of sample weight
- The software can monitor solenoid status, signal acquisition status, high frequency status, baseline status, etc.
- With data management and storage, query and statistics, printing projects, generating reports

STANDARD DELIVERY

Main unit	1pc
Computer	1pc
Software	1pc
Dust catcher	1pc
Electronic balance	1pc
Printer	1pc
Pressure valve	1pc
Standard sample	3pcs
Soda lime (CSA-R300-SL)	1pc
Tungsten flux (CSA-R300-TF)	1pc
Desiccant (CSA-R300-DE)	1pc
Crucible (CSA-R300-CR)	1000pcs
Toolkit*	1set

*Including allen wrench, crucible tweezer, tungsten grain spoon, sample spoon, cotton wool and vacuum silicone grease, etc.

SPECIFICATION

Detector	pyroelectric solid state infrared detectors
Light source	infrared light source
Channel configuration	standard with high carbon, low carbon, low sulfur
Thermostatic	gas chamber thermostat control
Analysis range	low carbon: 0.6ppm~0.1%, high carbon: 0.1%~50%, low sulfur: 0.6ppm~0.3%*
Analysis accuracy	carbon: 1ppm or RSD ≤ 0.5%, sulfur: 1ppm or RSD ≤ 1.0%
Sensitivity	0.01ppm
Analysis time	30S~40S
Sample weighing	recommended range 0.1g~0.5g, can be changed according to the sample content
Combustion furnace	18MHz, 2.7KVA
Carrier gas	oxygen concentration ≥99.5%
Motive gas	nitrogen concentration ≥99.5%
Power supply	AC 220V, 50Hz
Dimensions (L×W×H)	545×380×435mm
weight	70kg

*The analytical range can be extended to 100% by changing the weighing volume,
 can be customized for high sulfur channel with 0.3-30% analysis range