

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, non-ferrous, magnetic materials, new energy, third-party testing, research institutes and other industries
- Rapid analysis of carbon and sulphur in steel, cast iron, alloys, cement, sand, glass, lime, rubber, catalysts, soil, semiconductors, electronic materials, metal ores, ceramics and other solid materials
- High-frequency heating system adopts special high-frequency capacitors, non-inductive resistance, to ensure the long-term reliability of high-frequency operation. Ensure the reliability of high-frequency long-term work
- Adopt German imported special external metal dust filter, easy to dismantle, easy to clean
- Accurate weighing with 1/10000 electronic balance, automatic tare of the crucible mass, automatic input of the sample mass
- The software can monitor the status of solenoid valve, the status of each signal acquisition, high frequency status, baseline status and other important parameters of the instrument. High frequency status, baseline status, and other important parameters
- Powerful data management and storage, easy to query and statistics
- Printing items can be set according to the needs of the generation of reports exported

STANDARD DELIVERY

Main unit	1pc
Computer	1pc
Software	1pc
Dust catcher	1pc
Electronic balance	1pc
Printer	1pc
Pressure valve	1pc
Standard sample	3pcs
Crucible	1000pcs
Consumable and spare parts	1set*

*Including magnesium perchlorate, tungsten flux, carbon dioxide absorber, and degreasing cotton wool, vacuum silicone grease and other common consumables and tools

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	AC220V±10%, 50Hz, 16A
Dimensions (L×W×H)	545×380×435mm
weight	70kg

* Changing the weighing volume can extend the analysis range up to 100%, can be customized for high sulfur channel with 0.3-30% analysis range