

CARBON AND SULFUR ANALYZER

PART NO. CSA-R300-U

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

SPECIFICATION

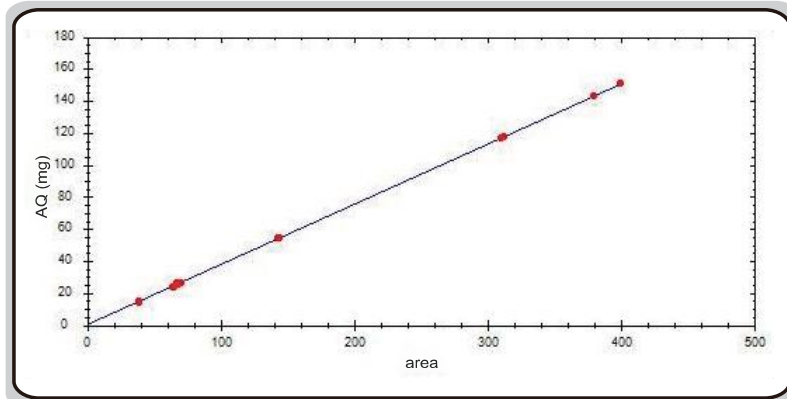
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|-----------------------|---|
| Detector | pyroelectric solid state infrared detectors |
| Light source | infrared light source |
| Channel configuration | standard with high carbon, low carbon, low sulfur |
| Thermostatic | gas chamber thermostat control |
| Analysis range | low carbon: .6ppm~.1%, high carbon: .1%~50%, low sulfur: .6ppm~.3%* |
| Analysis accuracy | carbon: 1ppm or RSD ≤ .5%, sulfur: 1ppm or RSD ≤ 1.0% |
| Sensitivity | .01ppm |
| Analysis time | 30S~40S |
| Sample weighing | recommended range .1g~.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 110V, 60Hz |
| Dimensions (W×D×H) | 21.65×29.92×30.31" |
| weight | 220.46lb |

*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

STANDARD DELIVERY

| | |
|--------------------------------|---------|
| Main unit | 1pc |
| Computer | 1pc |
| Software | 1pc |
| Dust catcher | 1pc |
| Electronic balance (8310-120M) | 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 |
| Tool | 1set |

ANALYSIS CURVE



ANALYSIS SOFTWARE (INCLUDED)

