

## High Frequency Carbon Sulfur Analyzer For Material Analysis



### Picture Just for Reference

#### I. Applications

CS-8800C High-Frequency Infrared Carbon & Sulfur Analyzer is used to measure mass fraction of carbon and sulfur in steel, iron, alloy, casting core sand, nonferrous metals, cement, ore, coke, catalyst, magnetic materials, ceramics, inorganic matter, graphite, refractory materials, battery materials, plants and other materials. And mainly used in new energy, metallurgy, mechanical, mine, inspection, nuclear industry, coal, automobile, shipping, aviation, food, aerospace, building materials, university, geology, petrochemical and so on.

#### II. Instrument technical parameters

| Items                     | Index                                                                                          |
|---------------------------|------------------------------------------------------------------------------------------------|
| Analysis theory           | High-frequency furnace burn infrared absorptive detection.                                     |
| Range of measurement      | C: 0.00001%-10.0000% (can extend to 99.99999%)<br>S: 0.00001%-6.0000% (can extend to 99.9999%) |
| Analytical error          | Accord with GB/T20123-2006/ISO 1535:2000 standard                                              |
| Analysis precision        | C:≤RSD0.5%. S:RSD≤1.0%                                                                         |
| Sensibility(Min. reading) | 0.11ppm                                                                                        |
| Detection point           | C:C Pond(can add low C pond)<br>S:S Pond(can add high s pond)                                  |
| Time of analysis          | 20-100s can setting(usually 35s)                                                               |
| High-frequency furnace    | Power≥2.7KVA oscillation frequency:20MHz                                                       |
| Electronic balance        | Weight the sample in variable amount<br>Accuracy o reading:0.0001g                             |
| Working environment       | Indoor temperature:10-30%<br>Relative humidity:<75%<br>Voltage:AC220V±5%<br>Frequency50H±2%    |

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