

TO BE A WORLD-LEADING ANALYTICAL TESTING SOLUTIONS PROVIDER !



High conversion rate
High reliability
Strong stability
Easy maintenance
Plain operation

CS-188

High-frequency Infrared Carbon & Sulfur Analyzer

- Jiangsu Skyray Instrument Co., Ltd. is a Hi-tech corporation with proprietary intellectual property.
- Our corporation specializes in R&D, manufacturing, sales and services of analytical and measuring instruments in Spectroscopy, Chromatography and Mass Spectrometry fields.
- Full product range, provide solutions for environmental protection and safety, industrial testing and analysis, and other fields.
- Our biggest strength is providing tailor-made solutions according to customer's needs.
- We have above 148 distributors and after-service stations throughout the world.
- Skyray Instrument announced its initial public offering in Growth Enterprise Market, Shenzhen Stock Exchange on January 25th, 2011.
(Stock code: 300165)

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Test data in this manual, if not noted, is our company's test data.
All information in this manual is for reference only, which is subject to any change without notice.

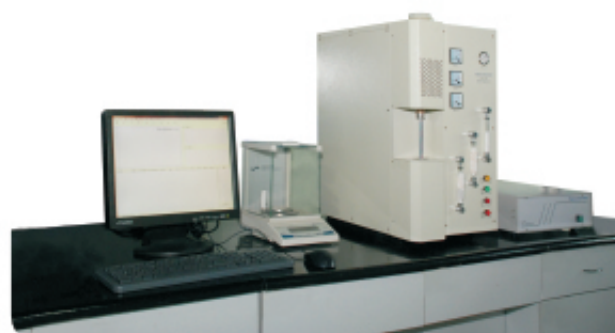
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115 countries & regions are using Skyray Instrument up to now

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CS-188 High-frequency Infrared Carbon & Sulfur Analyzer

CS-188 High-frequency Infrared Carbon & Sulfur Analyzer adopts separated structure design of high frequency combustion part and infrared testing part, with the features of high conversion rate, high reliability, strong stability, easy maintenance, plain operation.



Instrument Parameters:

Carbon Element:

Analysis Range: 0.005% - 5% (Precision : 0.00001%)

The relative standard deviation: (RSD) \leq 0.5%

Analysis time : \leq 50s

Meet ISO9556 and JJG395-97 requirements

Sulfur Element:

Analysis Rang: 0.005% - 3.5% (Precision : 0.00001%)

The relative standard deviation: (RSD) \leq 1.8%

Analysis time : \leq 50s

Meet ISO9556 and JJG395-97 requirements

System power of high-frequency furnace : 2.0KW

Frequency of high-frequency furnace: 20MHz

Analysis Samples: steel、ferroalloy、ferrosilicon、ore、tombarthite、coke

Hardware:

Separated structure design of high frequency combustion part and infrared testing part

Brand PC, LCD and ink printer

Gas control system adopts standard metal connected clips with simple gas system, perfect sealing performance, which can constantly analyze 100,000 samples without making mistakes.

Specified back flushing design can keep the system continually analyzing thousands of samples without cleaning the front of furnaces

High precision gas mass flow controller (MFC), would not be affected by temperature, pressure and any other external factors

Infrared testing equipment adopts our unique domestic instrument integrated design of elector and optical, with structural ingenuity and durability, reliability and stability, reaching the standard of level J

Swiss modulating motor can keep continually working 30,000 hours without any mistake

Ultra micro pore stainless steel power filter is anti-corrosion, cleaning-free for a long time

Software:

Unique multi-curves design, system can save 10 pieces of carbon curves and 10 pieces of sulfur curves maximally, and also support the users- self- reset- curves

Unique temperature, pressure, flow rate and peak width compensation, accurate analysis results

Others:

High precision scales (CS-188: ppm): system can automatically recognize the scales of German, Shanghai and Switzerland and America

The analytical results can be printed out by the printer

