BioLAB

PRODUCT CATALOG

IR CARBON SULFUR ANALYZER BANA-401

CE ISO9001 CERTIFIED

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IR CARBON SULFUR ANALYZER BANA-401

HIGH-FREQUENCY INFRARED CARBON & SULFUR ANALYZER

High Frequency Infrared Carbon and Sulfur Analyzer can simultaneously and rapidly analyze carbon and sulfur in solid materials such as ferrous metals, non-ferrous metals, alloy materials, ferroalloys, rock ores, ore soils, titanium dioxide, new energy materials and other non-metallic materials.

It can accurately measure the carbon and sulfur in steel, iron, alloy, nonferrous metals, and other materials.
Radio circuit: The design of high-duty radio circuit and the application of 2.5KVA HF pliotron, frequency : 20MHz. Military-purpose ceramic vacuum tubes and ceramic vacuum capacitors.
HF control circuit: It is used for automatic detection of the electromagnetic valve, the elevation or descent of cylinder and the performance of the HF unit. Automatic overtime/overflow alarming system enables the HF furnace to work under normal conditions.
The optional current/voltage/power regulator for furnace temperature control: It is applicable to samples of various materials.
Gas path: The high precision flow controller ensures the stability of gas flow a

SPECIFICATIONS

Model	BANA-401
Appearances	Bench type detector with bench type high-frequency oven for space saving.
Scope of Analysis	C: 0.0005%-6.0000%S: 0.0005%-0.3500%
Furnace Power	2.2 KW
Detection Cell	One carbon and one sulfur pool
Overall Dimensions	L530xW370xH195 mm
Weight	115 kg
Alt Name	High-frequency Infrared Carbon & Sulfur Analyzer

ITEMS INCLUDED

No	Name	Quantity
1	High frequency automatic inductive combustion furnace	1
2	Electric Balance	1
3	Computer	1
4	Printer	1

FEATURES

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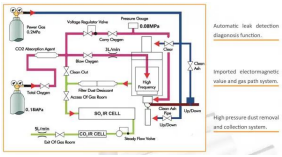
The optional current/voltage/power regulator for furnace temperature control: It is applicable to samples of various materials.
Gas path: The high precision flow controller ensures the stability of gas flow as well the gas intake system (such as electromagnetic valves, unions, cylinder hoists) for automatic leakage detection. Dual standard correction for solid and gas.
De-dusting unit: The combustion head self-cleaning device effective for reducing the influence of dust for the result of analysis; ash removing system for the inlet. 0.4 μm submicron metal filter secures thorough separation of dust from gas and can be used for a long time with no need of the ultrasonic cleaner.
Analysis channel: Providing channel management features, the carbon and sulfur channels are free to increase, delete and edit, no limit.
Analysis function: Analysis of the dynamic data, sampling every 20 times, improving the analysis sensitivity and analysis accuracy, providing sample management features, it can edit the sample name and logo, also can increase and delete samples, the software provides a user management system, the administrator setting different user permissions.

Data processing function: Adopt ACCESS data pool store the analysis results, can store all data and curve, Query the analysis results optionally, query according to the time, sample name, logo and operator. Provide some function as data storage, blank deduction, setting parameter, choosing channel, statistics, and curve Compare etc. In the software can create the work curve of carbon and sulfur, realizing the curve fitting.
Self-diagnose function: System diagnosis function, can test furnace head and the gas chamber sealing by the software.
Wide measuring scope, strong anti interference, multiple functions.



APPLICATIONS

Mining, Construction Material, Food, Geology, Commercial Inspection, Automotive, Aviation, Steel Products, Minerals, Non-Ferrous Metals, Non-Ferrous Metal Alloys, Inorganic Materials, Research

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