



SCOPEX BENCHTOP XRF ANALYZER WITH VACUUM

The ScopeX benchtop XRF Analyzer with Vacuum, caters to laboratories seeking high sensitivity and precision in analysis. It merges sophisticated spectroscopic analysis technology with a vacuum system, enabling detailed elemental analysis of diverse materials.

The ScopeX benchtop XRF Analyzer with Vacuum embodies advanced design principles, featuring a compact body size, spacious sample compartment, and outfitted with intelligent software and top-notch hardware. Capable of detecting samples in various forms like solids, powders, films, etc., as well as in block, flake, or linear configurations.

ScopeX benchtop XRF Analyzer with Vacuum

APPLICATIONS

ScopeX Benchtop XRF Analyzer - Minerals and Mining

Minerals and Mining

ScopeX Benchtop XRF Analyzer - Cement and Building materials

Cement and Building materials

ScopeX Benchtop XRF Analyzer - Ceramics, glass and industrial materials

Ceramics, glass and industrial materials

ScopeX Benchtop XRF Analyzer - Coal ash and catalyst

Coal ash, catalyst

ScopeX Benchtop XRF Analyzer - Metal material

Metal material

ScopeX Benchtop XRF Analyzer - Petroleum chemical industry

Petroleum chemical industry

FEATURES

High performance configuration

The low-energy X-ray, combined with an intelligent vacuum system, exhibits excellent excitation effects on light elements such as Si, P, S, Al, and Mg. XRF technology is capable of analyzing high concentrations of critical elements like Cr, Ni, and Mo.

A variety of collimator, filter automatic switch

The ScopeX benchtop XRF Analyzer with Vacuum offers four types of collimators: 5mm, 3mm, 1mm, and 0.5mm. The software enables automatic switching between collimators and filters, streamlining processes and saving time and effort. By selecting the appropriate combination of collimator and filter, detection accuracy and sensitivity can be enhanced.

Nondestructive testing

The entire testing process is conducted without causing any damage or interference to the performance of the tested object.

Peltier refrigeration

Using Peltier electric refrigeration instead of liquid nitrogen reduces the complexity of the device and helps save on manpower and equipment maintenance costs.

Data transmission

Data transmission can be achieved through various methods including USB, WiFi, wireless Bluetooth, and other wireless technologies.

User-defined

The file can be saved in formats such as Excel, PDF, and others. Users have the option to customize the test report, incorporating elements like company logos, spectral spectra, and other sample information.

Safety

The ScopeX benchtop XRF Analyzer with Vacuum features a fully enclosed metal chassis and a leakage protection switch, ensuring radiation safety in accordance with international standards.

TECHNICAL SPECIFICATIONS

Test object	Solid, liquid, powder
Range of element	Na—U
Sample room size	304×368×78mm□ L×W×H□
Sample weight range	0-2.5KG
Cover open	Automatic
Mainframe size	570×400×400mm□ L×W×H□
Mainframe weight	64KG
X-ray tube	High power side window X-ray tube
Voltage	Up to 50kV
Current	Maximum 1mA
Cooling Method	Air cooling
Detector	SDD
Sampling Method	Hand sampling, Auto injection
Sample Observation	5 megapixel HD industrial camera

PC(CPU)	CPU is I3-7100 with the same main frequency or above
RAM	DDR4 4 GB memory or above
ROM	1TB HDD or 256GB SSD or above
OS	Windows 10
Temperature conditions	10°C~35°C
Relative humidity	40%-70% □ No condensation□
Power supply	220VAC (110V also available)
Rated power	600W



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