



SCOPEX ROHS ANALYZER

The ScopeX RoHS Analyzer is an all-in-one X-ray fluorescence analyzer built for screening and analyzing hazardous elements in compliance with RoHS/ELV regulations.

With a smart vacuum system, ScopeX RoHS Analyzer uses low-energy X-rays to trigger light elements and identify halogen-free hazardous substances. It's adept at analyzing all elements and RoHS compliance. Offering high precision analysis, a broad range of analyzable elements, and quick and straightforward testing, it delivers reliable and accurate results that

RoHS Analyzer
meet international standards.

NDT

Does not damage or affect the performance of the tested object

Multiple test environments

Vacuum mode, air mode, helium mode a variety of environmental modes, to meet the test of different samples Application Advantages

APPLICATIONS

RoHS Analyzer - Products controlled by RoHS directive

Products controlled by RoHS directive

Large household appliances, small household appliances, information technology and communication equipment, power tools, toys, and other equipment.

RoHS Analyzer - Halogen-free products

Halogen-free products controlled by the directive

Products made with raw materials containing flame retardants containing chlorine (Cl), bromine (Br), and other elements.

RoHS Analyzer - ELV instructions screening

Screening and analysis of ELV instructions

The structural analysis of various mechanical parts and the detection of coating thickness and adhesion of chemically synthesized outer films.

FEATURES

High sensitivity

The powerful and efficient X-ray tube, paired with a high-performance Si-PIN detector, achieves remarkably low detection limits, swiftly and precisely identifying trace amounts of harmful substances. With just one instrument, sample compliance monitoring can be efficiently and effectively accomplished, ensuring high-quality results.

Accurate and reliable

Utilizing XRF analysis software alongside methods like the experience coefficient method and fundamental parameter method (FP), ensures the accurate performance of test data, guaranteeing reliable results.

Screening of hazardous substances

ScopeX RoHS Analyzer offers screening and analysis of hazardous metals restricted by environmental regulations such as RoHS/ELV. It also conducts halogen-free analysis with standard halogen detection capability. Additionally, customization for detecting more elements is available as needed.

TECHNICAL SPECIFICATIONS

Range of element	Na—U
Sample room size	365×300×78mm□ L×W×H□
Maximum sample weight	0-2.5KG
Cover open	Automatic
Mainframe size	570×400×400mm
Weight	47KG
X-ray tube	High power side window X-ray tube
Voltage	Up to 50kV
Current	Maximum 1mA
Cooling method	Air cooling
Type	Si-pin/SDD(Optional)
Sample Observation	5 megapixel HD industrial camera

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	100W



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