

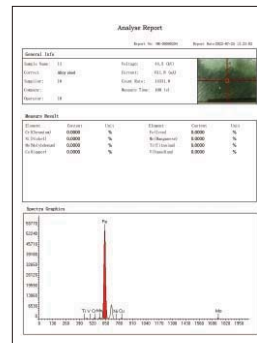
# X RAY FLUORESCENCE SPECTROMETER (RoHS DETECTOR/ALLOY COMPOSITION ANALYZER/COATING THICKNESS GAGE) CODE XRF-B210



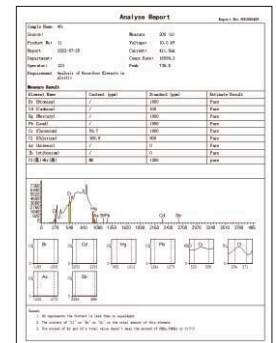
CALIBRATION CURVE CAN BE CUSTOMIZED  
ACCORDING TO CUSTOMER REQUIREMENTS



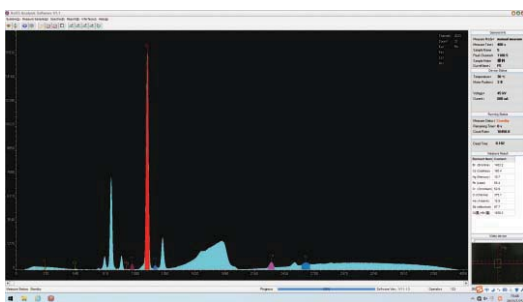
alloy composition analysis software (included)



alloy composition analysis report (included)



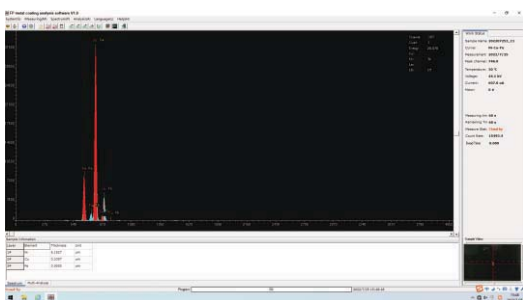
RoHS test report (included)



RoHS test software (included)



coating thickness test report (included)



coating thickness detection software (included)

- Used for RoHS detection, alloy element analysis, coating thickness measurement
- Using SI-PIN detector with electric cooling, small size, accurate data analysis and low maintenance cost
- Seven optical path correction and collimation system, automatically switch according to different samples
- Multiple radiation leakage prevention design
- The temperature monitoring technology ensures the safe and reliable operation of the X-ray source
- Dedicated software, standard window design, friendly interface, easy to operate
- Can display multiple spectrograms at the same time and print multiple report forms
- USB3.0 interface to ensure accurate, high-speed and efficient data transmission

## SPECIFICATION

Detector	type	Si-PIN electrical refrigeration semiconductor detector	
	resolution	149±5 EV	
	amplifier circuit module	detect the sample characteristic X-ray, further enlarge the information collected by detection	
X ray excitation device	maximum output current	1mA	
	power	50W, air cooling	
High and low voltage power	maximum output voltage	50KV, built-in voltage overload protection	
	minimum output voltage	5KV	
Multi-channel pulse amplitude analyzer		maximum channel number: 4096	
Optical path filter module		reduce interference light path in the process of sending x-rays, guarantee the accuracy of the detector signal	
		Integrate the collimator with the filter	
Collimator automatic switching module		7 kinds, Ø0.5~Ø8mm	
Filter automatic switching module		5 kinds(free to choose and switch)	
RoHS analysis software	elemental analysis range	S~U	
	harmful element analysis	Cd, Pb, Hg, Br, Cr, Cl, As, Sb	
	test time	60~200s	
	detection limit	2PPM	
	content analysis range	2PPM~99.9%	
Alloy analysis software	elemental analysis range	Ti~U	
	detection limit	100PPM	
	content analysis range	100PPM~99.9%	
	repeatability	0.1%	
	stability	0.1%	
Metal coating analysis software	elemental analysis range	Ti~U	
	detection limit	0.01µm	
	analysis thickness	single layer thickness	0.01~30µm
		3 layer thickness	≤10µm
	repeatability	0.1µm (for outside coating less than 1µm)	
	stability	0.1µm (for outside coating less than 1µm)	
light spot	within 0.2mm		
Operation temperature		10~30°C	
Relative humidity		10%~90%	
Power		AC 220V±5V	
Dimension (L×W×H)		700×460×370mm	
Weight		49kg	

## STANDARD DELIVERY

Main unit	1 pc
Standard sample	1 pc
Silver calibration	1 pc
Sample cup	2 pcs
Test film	50 pcs
Computer	1 pc
Printer	1 pc
Collimator (built-in)	7 pcs
Software	RoHS test software, alloy composition analysis software, coating thickness detection software