

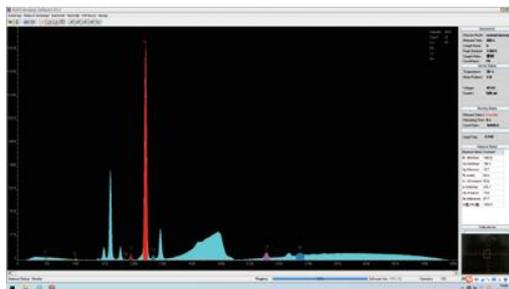
XRF PLATING THICKNESS INSTRUMENT/ROHS ANALYZER/ALLOY ANALYZER

PART No. XRF-B210-U

CALIBRATION CURVE CAN BE CUSTOMIZED ACCORDING TO CUSTOMER REQUIREMENTS



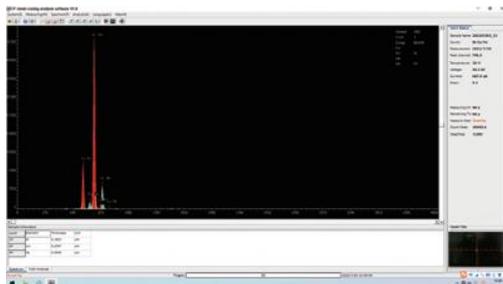
- Used for RoHS detection, alloy analysis, plating
- Using Si-PIN detector with electric cooling, small size, accurate data analysis and low maintenance cost
- Seven optical path correction and collimation system, automatically switch according to different samples
- Multiple radiation leakage prevention 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



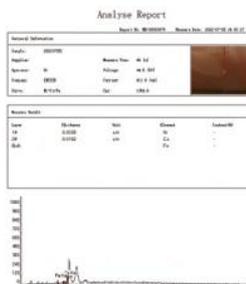
RoHS test software (included)



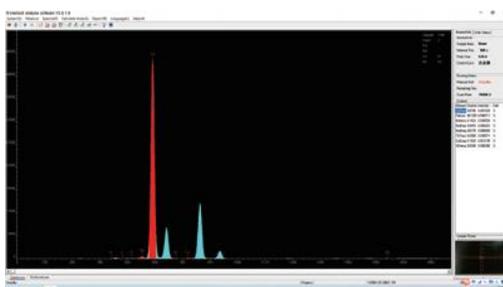
RoHS test report (included)



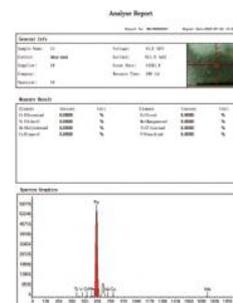
plating thickness detection software (included)



plating thickness test report (included)



alloy composition analysis software (included)



alloy composition analysis report (included)

SPECIFICATION

Detector	type	Si-PIN electrical refrigeration semiconductor detector	
	resolution	149±5eV	
	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-ray, guarantee the accuracy of the detector signal integrate the collimator with the filter	
Collimator automatic switching module		7 kinds, .02~.31"DIA	
Filter automatic switching module		5 kinds (free to choose and switch)	
RoHS analysis	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	elemental analysis range	Ti~U	
	detection limit	100PPM	
	content analysis range	100PPM~99.9%	
	repeatability	0.1%	
Plating analysis	stability	0.1%	
	elemental analysis range	Ti~U	
	detection limit	0.39µin	
	analysis thickness	single layer thickness	.39~118.1µin
		3 layer thickness	≤393.7µin
	repeatability	3.94µin(for outside plating less than 39.37µin)	
stability	3.94µin(for outside plating less than 39.37µin)		
light spot	within .0079"		
Operating temperature		50~86°F	
Relative humidity		10%~90%	
Power supply		AC110V±5V	
Dimension (W×D×H)		18.19×27.56×14.53"	
Weight		78.8lb	

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, plating thickness detection software