



KINTEK SOLUTION

## Handheld Xrf Analyzers Catalog

Contact us for more catalogs of Sample Preparation, Thermal Equipment, Lab Consumables & Materials, Bio-Chem Equipment, etc...

# KINTEK SOLUTION

## COMPANY PROFILE

### >>> About Us

Kintek Solution Ltd is one technology orientated organization, team members are devoted to probing the most efficient and reliable technology and innovations in the scientific researching equipment, fields like biochemical reacting, new materials researching, heat treatment, vacuum creating, refrigerating, as well as pharmaceutical and petroleum extracting equipment.

In the past 20 years, we earned rich experiences in this researching equipment field, we are capable to supply both the equipment and solution according to customer's needs and realities, we have also developed lots of customer tailored equipment according to a specific working purpose, and we have lots of successful projects in many universities and institutes from different countries, like Asia, Europe, North and South America, Australia and New Zealand, Middle East, and Africa.

Profession, quick response, hard working, and sincerity is a remarkable label of our team members working attitude, which earn us a sound reputation among our clients.

We are here and ready to service our clients from different countries and regions, and share the most efficient and reliable technology together!



# Handheld Alloy Analyzer

Item Number: XRF-900



## Introduction

XRF900 are good choice for metal analysis in many fields, delivering rapid, accurate results right in your hand.

[Learn More](#)

Model	XRF-900	XRF-900P	XRF-900S
Excitation	Ceramic packaged microfocus X-ray tube, Ag Anode 50kV		
Detector	High performance Si-Pin detector	Optimized SDD detector (with Graphene window)	Optimized SDD detector(with Graphene window)
Resolution	140eV FWHM	129eV FWHM	129eV FWHM
Filter	Multi position automatic filter changer		
Window	Kapton with anti-puncture window design optional		
Battery	7.2V Li-ion battery,6800mAh		
Display	Capacitive touch screen (5 inch 720P)		
CPU	i.MX 8M Mini quad core 1.8GHz		
Signal Processor	4096-pixel multi-channel detector/80 MHz ADC digital signal processor		
Data Storage	Over 100,000 data storage		
Data transfer	WiFi/USB		
Structure design	Unique AXRUNI structure design, effectively increase the heat dissipation of the X ray tube		
Radiation safety	Safety Guard induction device, when there is no sample in the test area, the source will shut, providing maximum safety protection. Password-protected user security		
Camera(optional)	Integrated CCD camera with autofocus lens for positioning and recording measuring point positions		
Elements	Sb[Sn[Ag[Pd[Al[Mo[Nb[Zr[Bi[Pb[Se[W[Zn[Cu[Re[Ta[Hf[ Sb[Sn[Ag[Pd[Al[Mo[Nb[Zr[Bi[Pb[Se[W[Zn[Cu[Re[Ta[Hf[ Sb[Sn[Ag[Pd[Al[Mo[Nb[Zr[Bi[Pb[Se[W[Zn[Cu[Re[Ta[Hf[		
Environment	Temp:-10°C~50°C Humidity 0%~80%		
Weight	Approx. 1.5kg (3.31bs) including battery		
Dimensions	LxWxH: 220mm*91mm*276mm		
Optional	With the innovatively designed AXRSMART mobile application, data can be viewed, shared, and printed in real time, and functions such as sample photo, GPS positioning, scanning, and data archiving can be supported. Optional data cloud service function support uploading the test results to a secure and encrypted cloud server, and perform statistics, query and analysis of large-scale analysis data.		
Special Accessories	In addition to conventional accessories, optional: welding mask, hot surface adapter. It can detect high temperature surfaces and vibrating surfaces without contact.		

# Handheld Coating Thickness

Item Number: XRF-980



## Introduction

The handheld XRF coating thickness analyzer adopts high-resolution Si-PIN (or SDD silicon drift detector) achieve an excellent measurement accuracy and stability. Whether it is for the quality control of coating thickness in the production process, or random quality check and complete inspection for incoming material inspection, XRF-980 can meet your inspection needs.

[Learn More](#)

Detector	High performance Si-Pin detector /Optimized SDD detector
Filter	Multi position automatic filter changer
Window	Kapton with anti-puncture window design optional
Collimator	5mm collimator
Battery	7.2V Li-ion battery 6800mAh
Display	Capacitive touch color display
Data storage	100000+data storage
Data transfer	WiFi USB
Radiation safety	Safety guard device, tube shutoff while no sample , Password-protected user security
Camera (optional)	Integrated CCD camera with autofocus lens for positioning and recording measuring point positions
Thickness	Generally within 50um (depending on material) Repeatability up to 0.1%
Environment Temp	-10°C~50°C Humidity 0%~80%
Weight	Approx. 1.5kg (3.3lbs) including battery
Dimensions	Lx WxH: 220mm*91mm*276mm
Software language	English and other languages

# Handheld Precious Metal Analyzer

Item Number: XRF-990



## Introduction

XRF990 handheld precious metal analyzer, based on advanced ceramic packaged microfocus X-ray tube and high-performance semiconductor detector, combined with advanced software algorithm, can quickly, accurately and non-destructively test gold, silver, platinum and other precious metals concentration in jewelry, to fast identify the purity of jewelry, investment gold and various precious metal materials.

[Learn More](#)

<b>Detector</b>	<b>High performance Si-Pin detector /Optimized SDD detector</b>
Filter	Multi position automatic filter changer
Window	Kapton with anti-puncture window design optional
Collimator	5mm collimator
Battery	7.2V Li-ion battery,6800mAh
Display	Capacitive touch color display
Data storage	100000+ data storage
Data transfer	WiFi USB
Radiation safety	Safety guard device, tube shutoff while no sample , Password-protected user security
Camera (optional)	Integrated CCD camera with autofocus lens for positioning and recording measuring point positions
Elements	Au,Ag,Pt,Pd,Rh,Ru,Ir,Zn,Cu,Ni,Co,Fe and more can be added if required
Environment Temp	-10°C~50°C Humidity 0%~80%
Weight	Approx. 1.5kg (3.3lbs) including battery
Dimensions	LxWxH:220mm*91mm*276mm
Software language	English and other languages

# Handheld Lithium Battery Analyzer

Item Number: XRF-970



## Introduction

XRF970 handheld lithium battery analyzer, based on advanced ceramic packaged microfocus X-ray tube and high-performance semiconductor detector, combined with advanced software algorithms, can quickly and accurately analyze Ni, Co, Mn and other regulated elements in lithium batteries. It is an ideal portable analyzer for lithium battery manufacturers' process quality control and safety precautions, and for waste lithium battery recyclers' sorting tasks.

[Learn More](#)

Detector	High performance Si-Pin detector /Optimized SDD detector
Filter	Multi position automatic filter changer
Window	Kapton with anti-puncture window design optional
Collimator	5mm collimator
Battery	7.2V Li-ion battery 6800mAh
Display	Capacitive touch color display
Data storage	100000+ data storage
Data transfer	WiFi USB
Radiation safety	Safety guard device, tube shutoff while no sample , Password-protected user security
Camera (optional)	Integrated CCD camera with autofocus lens for positioning and recording measuring point positions
Elements	Ti V Cr Mn Fe Co Ni Hf Ta Re Cu Zn W Se Pb Bi Zr Nb Mo Al Pd Ag Sn Sb etc. and be customized
Environment Temp	-10°C~50°C Humidity 0%~80%
Weight	Approx. 1.5kg (3.3lbs) including battery
Dimensions	LxWxH: 220mm*91mm*276mm
Software language	English and other languages

# Handheld Soil Analyzer

Item Number: XRF-600



## Introduction

XRF600 Handheld Soil Analyzer is an important tool for soil and sediment screening. It can detect hazardous heavy metals within seconds. Using XRF600 for on-site rapid soil screening significantly reduces the number of samples that need to send to laboratory for analysis, reducing analysis costs and analysis time. And soil treatment and remediation costs can be minimized by rapidly screening and delineating contaminated areas and identifying remediation areas on-site.

[Learn More](#)

Model	XRF600/XRF600P/XRF600S
Excitation	High performance Ag target tube,50kV
Detector	High performance Si-Pin detector /Optimized SDD detector
Filter	Multi position automatic filter changer
Window	Kapton with anti-puncture window design optional
Collimator	5mm collimator
Battery	7.2V Li-ion battery,6800mAh
Display	Capacitive touch color display
Data storage	100000+data storage
Data transfer	WiFi/USB
Radiation safety	Safety guard device, tube shutoff while no sample , Password-protected user security
Camera (optional)	Integrated CCD camera with autofocus lens for positioning and recording measuring point positions
Elements	Ti[V]Cr[Mn]Fe[Co][Ni][Hf][Ta][Re][Cu][Zn][W][Se][Pb][Bi][Zr][Nb][Mo][Al][Pd][Ag][Sn][Sb] etc. and be customized
Environment Temp	-10°C~50°C Humidity 0%~80%
Weight	Approx. 1.5kg (3.3lbs) including battery
Dimensions	LxWxH:220mm*91mm*276mm
Software language	English and other languages

# Handheld Mining Analyzer

Item Number: XRF-600M



## Introduction

XRF600M, a fast, accurate, and easy-to-use handheld XRF mining analyzer designed for different analytical applications in the mining industry. The XRF600M provides on-site analysis of ore samples with minimal sample preparation, reducing the time for lab assay from days to minutes. With the fundamental parameters method, the XRF60M is capable of analyzing an ore sample without the need for any calibration standards.

[Learn More](#)

Model	XRF-600M/XRF-600MP/XRF-600MS
Excitation	Ceramic packaged microfocus X-ray tube, Ag target tube,50kV
Detector	High performance Si-Pin detector /Optimized SDD detector
Filter	Multi position automatic filter changer
Window	Kapton with anti-puncture window design optional
Collimator	5mm collimator
Battery	7.2V Li-ion battery,6800mAh
Display	Capacitive touch color display
Exceeding Alert	When elements concentration exceeds the setting limits, software will alert
One Touch Operation	One touch testing
Soil Moisture Correction	Analysis can automatically correct according to the soil moisture
Data storage	100000+data storage
Data transfer	WiFi□USB
Radiation safety	Safety guard device, tube shutoff while no sample ,Password-protected user security
Camera (optional)	Integrated CCD camera with autofocus lens for positioning and recording measuring point positions
Environment Temp	-10°C~50°C Humidity 0%~80%
Weight	Approx.1.5kg (3.3lbs) including battery
Dimensions	Lx WxH:220mm*91mm*276mm
Software language	English and other languages



# In-Line Xrf Analyzer

Item Number: XRF-700



## Introduction

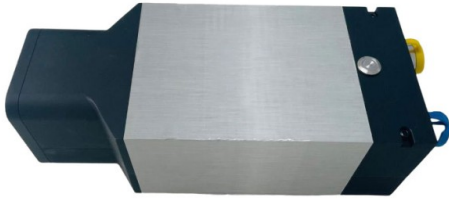
AXR Scientific In-line XRF analyzer Terra 700 series can be flexibly configured, and can be effectively integrated with robotic arms and automatic devices according to the layout and actual situation of the factory production line to form an efficient detection solution that meets the characteristics of different samples. The whole process of detection is controlled by automation without too much human intervention. The entire online inspection solution can perform real-time inspection and quality control of production line products around the clock.

[Learn More](#)

Excitation Source	X-ray tube:Rhodium or tungsten anode target (optimized for application), 5 to 200 $\mu$ A, 8 to 50keV (4 W max)
Detector	High performance SDD detector
Power Supply	9 VAC power adapter
Analysis Mode	Alloy or Coating
Analysis range	Elements from Potassium (K19) to Uranium (U92)
IP Rating	IP54
Temperature Range	10C to 50C. continuous operation
Humidity	10 % to 90 % relative humidity, non-condensing
Operating System	Linux
Software	Proprietary data acquisition and processing software package

# Xrf Spectrometer Module

Item Number: XRF-400



## Introduction

Scientific In-line XRF Spectrometer Module series can be flexibly configured, and can be effectively integrated with robotic arms and automatic devices according to the layout and actual situation of the factory production line to form an efficient detection solution that meets the characteristics of different samples.

[Learn More](#)

Excitation Source	X-ray tube:Rhodium or tungsten anode target (optimized for application), 5 to 200 $\mu$ A, 8 to 50keV (4 W max)
Detector	High performance SDD detector
Power Supply	9 VAC power adapter
Analysis Mode	Alloy or Coating
Analysis range	Elements from Potassium(K19) to Uranium (U92)
IP Rating	IP54
Temperature Range	10C to 50C, continuous operation
Humidity	10 % to 90 % relative humidity, non-condensing
Operating System	Linux
Software	Proprietary data acquisition and processing software package

# Benchtop Gold Analyzer

Item Number: XRF-200



## Introduction

XRF 200 Benchtop Gold analyzer offers a rapid and remarkably precise method for assessing karat or gold content, serving quality control, pricing, and practical utilization needs.

[Learn More](#)

Excitation Source	X-ray tube:Rhodium or tungsten anode target (optimized for application), 5 to 200 $\mu$ A, 8 to 50keV (4 W max)
Detector	High performance SDD detector
Power Supply	9 VAC power adapter
Analysis Mode	Alloy or Coating
Analysis range	Elements from Potassium (K19) to Uranium (U92)
IP Rating	IP54
Temperature Range	10°C to 50°C, continuous operation
Humidity	10 % to 90 % relative humidity, non-condensing
Operating System	Linux
Software	Proprietary data acquisition and processing software package



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