

# XRF Spectrometer

**ATX3450**

## Features

- Unique movement temperature control technology
- Multiple instrument accessories protection system
- Advanced integrated heat dissipation design
- Non-destructive, fast and accurate sample analysis
- High precision, high resolution and high reliability
- Humanized interface, convenient operation and high-definition camera

## Application

- RoHS
- Material Science : Shoe Leather
- Industrial Science: Automobile ELV
- Archeology: Archaeological analysis
- Public Safety: Refractory materials
- Minerals: Ore analysis
- Material Testing : Metal alloys
- Petrochemicals:Oil & Energy
- Coating thickness measurement

## Description

XRF spectrometer analysis has the advantages of simple sample preparation, fast analysis speed, wide analysis content range, good reproducibility and high accuracy. With the continuous promotion of X-ray fluorescence spectrometer analysis technology, the use of X-ray fluorescence spectrometer analysis and detection has become the main means of quality control in many industries.

The RoHS detector ATX3450 uses the American Amptek detector Si-pin, electric cooling instead of liquid nitrogen cooling, small size, accurate data analysis and low maintenance cost.

The self-developed SES signal processing system is adopted to effectively improve the sensitivity of the measurement and make the measurement more accurate.

Seven optical path correction and collimation systems, automatic switching according to different samples, one-button automatic testing, simpler, more convenient and more user-friendly.

Multiple instrument accessories protection system, and full monitoring through software, make the instrument work more stable and safer.



## 1. Parameter

Model	ATX3450
Detector	Imported from the United States Amptek Si-pin detector
Elemental Analysis	From sulfur (S) to uranium (U)
Content Analysis	1 Ppm to 100%
Measurement Time	30-200 seconds
Accuracy	RSD $\leq$ 0.05% Ag $\geq$ 90%
Resolution	144 $\pm$ 5eV
Sample Chamber Dimension	439*300*150mm
Sample Status	Solid, powder, liquid
Lod	1ppm
Working Humidity	35%~70% (no condensation)
Weight	45kg
Dimensions	550*410*320mm
Light Tube Flow	5 $\mu$ A~1000 $\mu$ A
Repeatability Of Multiple Measurements	0.1%
Stability Of Multiple Measurements	0.1%