

Precious Metal Analyzer

ATX3350

Features

- Easy to use, one-button operation to obtain analytical results of the composition.
- Innovative features help identify gold-plated samples.
- Compact and sturdy body structure, with a very beautiful appearance, suitable for placement in display showrooms.
- Within seconds of pressing the button, you can get accurate results about the chemical composition of the sample.
- Using a PC and software, you can quickly and conveniently produce inspection result certificates for samples.
- Users can see the test position of the sample through the camera and cabin lighting system, enhancing their confidence in the testing.
- Test data can be downloaded and uploaded online, making the results easy to view and share.
- Equipped with an X-ray protection lock, X-rays are only emitted when it is in a closed state, ensuring safe and reliable use for customers.

Application

- Jewelry manufacturing
- Recycling industry
- Pawnshops/Refining industry
- Quality and Technical Supervision Bureau
- Cash for gold exchange
- Retail industry

Description

The current use of XRF analyzers for chemical composition analysis and purity assessment of precious metals has become a widely applied, highly popular method, supported by national standards and known for its reliable performance. Compared to the spark assay and chemical reagent test methods, using XRF to analyze precious metals is a quicker and more economical multi-element detection method.

The ATX3350 XRF analyzer produced by Optosky offers a user-friendly and cost-effective detection technology: it does not require the insertion of the testing tool into the material of the sample being tested, nor does it damage the sample, allowing for the acquisition of the sample's alloy chemical composition information. Whether you are buying, selling, or producing jewelry, manufacturing metals, or recycling scrap metals, you need a method that can quickly and very precisely determine the content of samples. This enables effective control of product quality and the establishment of reasonable prices right from the start.



Parameter

Model	Specifications
Resolution	Sipin144eV±5/SDD129eV±5
Basic Test Elements	Cr, Mn, Fe, Co, Ni, Cu, Zn, Cd, Sn, Pb, etc
Precious Metals of Interest	Au, Ag, Pt, Pd, Ru, Rh, W, Os, Ir, etc
Analysis Content Range	ppm to 99.9%
Coating Thickness	Generally within 50µm (varies by material)
Filter	Multiple customizable switchable options
Sample Chamber Size	307*268*97 (mm)
Test Time	30s-100s
Safety Device	Equipped with an X-ray protection lock; X-rays are emitted only in a closed state, ensuring safe and reliable use for customers
Analysis Accuracy	RSD≤0.03% Au≥99.99%
Temperature	15°C ~ 30°C
Humidity	40% ~ 70%
Weight:	28kg
Dimensions	414*416*362 (mm)