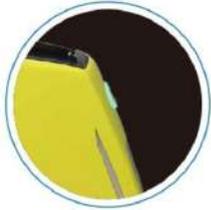


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Handheld XRF Analyzer

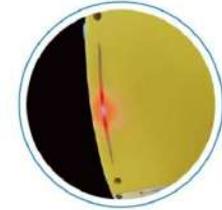
Appearance Display



Intelligent two-color early warning system
Green light on when powered on



With better backlight performance
Still clearly visible under strong light in the wild



Red light flashes during testing
Instrument status at a glance



UltrashortTM optical path design
Significantly improve the excitation effect of light elements
Mg, Al, Si, P, S without nitrogen filling

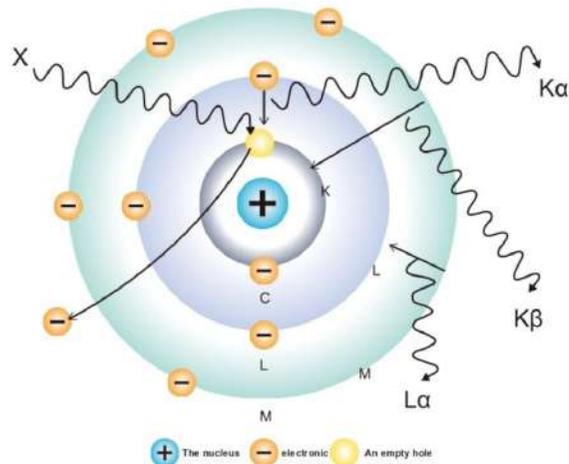
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Product Principle

The TrueX handheld X-ray fluorescence spectrometer is small in size, light in weight, and has excellent performance. It has the characteristics of fast analysis speed, high accuracy, portability, and non-destructive testing. It can help users obtain laboratory-like analysis results on site. It is an ideal tool for field/on-site testing and is currently widely used in metal materials, environmental protection, mining and geochemistry, cultural archaeology, jewelry, scientific research and other fields.

Brief Introduction

ScopeX benchtop XRF analyzer adopts advanced industrial design and concept, very exquisite and beautiful. The instrument has a smaller size and a larger sample chamber, saving space and bringing higher sample compatibility. Samples in different forms (solid, liquid, gas, film, etc.) or in different shapes (block, sheet, wire) can be accurately analyzed. It is an ideal tool for a variety of industries such as petroleum, plating, precious metals, cement, minerals, metallic materials and plastics.



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Jewelry

TrueX handheld X-ray fluorescence spectrometer is a cost-effective precious metal detector for non-destructive testing of precious metal components. It is equipped with a high-performance X-ray tube and detector. It can quickly and accurately detect the content of various elements in gold, platinum, palladium, K gold and other jewelry, effectively identify adulterated elements, and provide users with instant analysis results. It can easily meet the high standards of precious metal fields such as jewelry showrooms, jewelry factories, and testing institutions.

Typical Applications



Application Cases

Precious metal jewelry currently on the market

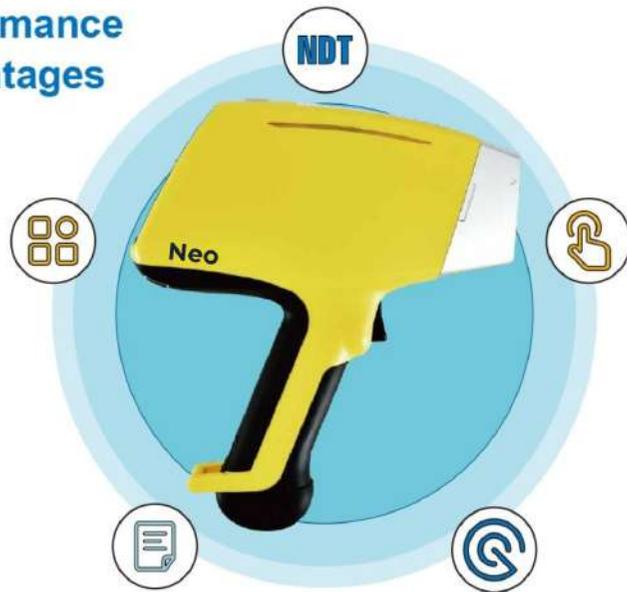
Precious metal jewelry names	Jewelry Type	Metal element content	Type Identification
Gold Jewelry	18kGold	Au≥750‰	18K, G18K, G750, Au750, Au750
	Solid gold	Au≥990‰	Solid gold, G990, Au990, Au990
	Karat gold	Au≥999‰	Karat gold, G999, Au999, Au999
Silver Jewelry	925Ag	Ag≥925‰	S925, Ag925, Silver925
	Pure silver	Ag≥990‰	S990, Ag990, Silver990
Platinum Jewelry	Pt900	Pt≥900‰	Pt900, Platinum900
	Pt950	Pt≥950‰	Pt950, Platinum950
	Pt990	Pt≥990‰	Pt990, Platinum990
Palladium Jewelry	Pd950	Pd≥950‰	Pd950, Palladium950
	Pd990	Pd≥990‰	Pd990, Palladium990

Field Application



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Performance Advantages



Non-destructive testing

The instrument does not require destructive treatment of the sample during the testing process, and can maintain the integrity and originality of the sample.

One-button operation, "start-up - aim test - view results", the entire analysis process can be completed in just a few seconds. The operation is simple and even non-technical personnel can easily master it.

One-button operation

Easy customization

Based on the test, a variety of custom settings are provided. The test conditions can be changed according to the detection needs, and the thresholds can be changed according to the screening needs to achieve personalized screening of different materials and elements.

You can create analysis data reports in PDF format or Excel format. When exporting data in Excel format, you can also confirm and edit the data in detail in the table.

Multiple formats of data output

Double-Beam™ technology

Built-in DoubleBeam™ technology automatically senses whether there is a sample in front of the instrument, improves the safety and protection level of radiation, and automatically adjusts the display brightness according to the brightness of the external environment.

Technical Parameters



Item	Parameter
Weight	1.5KG
Size	254mm×79mm×280mm (L×W×H)
Excitation source	50KV/200uA Max, tube voltage/ current adjustable, Ag, Au, W, Rh targets(optional)
Display system	Industrial-grade resistive touch screen, screen size: 4.3 inches Automatically adjust the display brightness according to the external environment brightness
Detector	Si-Pin detector, SDD detector(optional)
Data processing	Built-in 32G memory USB, Bluetooth, WIFI, the device can be connected to the Internet, the instrument can be set up and repaired remotely Data can be exported in EXCEL and PDF formats, and users can customize and create professional reports
Heat dissipation	The instrument is equipped with a dedicated T-slot heat dissipation device to improve the heat dissipation performance of the instrument.
Safety	Built-in DoubleBeam™ technology automatically senses whether there is a sample in front of test window Improve the safety and protection level of the radiation Waterproof, dustproof and shockproof suitcase special safety rope
Power supply system	Intelligent battery with MSBUS bus can monitor the battery in real time and the remaining capacity of the backup battery, Batteries comply with aviation dangerous goods transport regulations A single battery can last about 8 hours