Jewelry Metal Spectrometer



Overview

For precious metals analysis, such as jewelry or dental alloys, fast and non-destructive XRF spectrometers which require little sample preparation are most frequently used for analysis, e. SPECTRO XEPOS, SPECTRO MIDEX, SPECTROCUBE, SPECTROSCOUT and SPECTRO xSORT. Using XRF (X-ray fluorescence) makes precious metals and jewelry testing easy and quick. Users can benefit from this fast and efficient technology, quickly identifying and measuring each element in jewelry, coins, watches. solution and coating Full-element analysis of minerals, etc Industries related to RoHS Directive Testing organs, and jewelry electroplating Product Features: Auto-switch of collimators and filters Specialized RoHS test; Built-in. EDX3000 PLUS X-Ray Fluorescence Spectrometer is the most. Our handheld, benchtop, and lab equipment, which utilize nondestructive X-ray fluorescence (XRF) technology, will help you ensure accurate determination of the content of gold and all precious metals such as silver, platinum, palladium, rhodium, iridium, and ruthenium. The result is shown in both percent share and karats.



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Article Content

GEMORO XRF GOLD & PRECIOUS METAL ANALYZER | Sy Kessler

Users can benefit from this fast and efficient technology, quickly identifying and measuring each element in jewelry, coins, watches, and more. This easy-to-use, fast, and precise XRF is

Jewelry spectrometer

Find your jewelry spectrometer easily amongst the 6 products from the leading brands (Skyray, Goyalab, enspectr, ...) on DirectIndustry, the industry specialist

Solutions for Analyzing Precious Metals

Gain trust from your customer Thermo Scientific Niton XRF precious metal analyzers provide retailers, pawn shops, cash-for-gold businesses, jewelers, recyclers, and refineries with fast, reliable and

ElvaX Jewelry Lab

ElvaX Jewelry Lab is aimed on high-accuracy analysis of jewelry and precious metals. Measurement process only takes several seconds. The result is shown in both percent share and karats. ElvaX

Precious Metals Analysis | SPECTRO

SPECTRO offers a broad range of XRF and OES spectrometers optimized for precise analysis of precious metals, ensuring accuracy and reliability.

Desktop XRF Spectrometer Buyer Guide

Learn how to choose a desktop XRF spectrometer for gold, silver, platinum, jewelry and precious metal recycling. Compare gas proportional, Si-PIN and FAST-SDD detectors, CDO-N3, CDO-X5, CDO-S6,

Jewelry Spectrometer: Accurate Precious Metal Analysis

Jewelry spectrometers non-destructively analyze the chemical composition of precious metals and gemstones, determining purity, identifying alloys, and detecting counterfeit materials with

XRF Spectrometer Buying Guide: Precious Metals 2026

How to choose the right XRF spectrometer for jewelry, pawn, refinery, or lab use. Compare detectors, form factors, accuracy specs, and TCO — with practical recommendations by business type.

Precious Metals Testing | Jewelry Analysis | Hitachi High-Tech

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Precious metals and jewelry testing and analysis with XRF The true value of jewelry and ornamental objects lies beneath the surface with the value of items being bought, sold and recycled determined

Portable XRF Metal Analyzer

Meet your metal analysis needs anywhere with the JITAI9201 Handheld XRF Analyzer. This rugged 245x250x90mm portable spectrometer delivers fast,

GEMORO® XRF Gold & Precious Metal Analyzer

The GEMORO XRF is a top-of-the-line Energy Dispersive XRF Spectrometer, perfect for jewelers, appraisers, and precious metal buyers. Made in the USA,

Which spectrometer to choose for jewelry analysis: Jewelry Lab vs ...

In addition, the spectrometer can automatically calculate the value of the precious alloy based on the results of analysis, its weight, and the exchange value of the precious metal. Jewelry Lab also has a

XRF Gold Analyzer

CDO-S6 Desktop XRF Spectrometer Desktop XRF gold testing machine with imported Si-PIN detector for jewelry stores, gold buyers and precious metal recycling counters. Watch EDX800 Plus video

Analyzing Gold Jewelry Using an EDXRF Spectrometer

Conclusion The results revealed in this research show the excellent performance of the ARL QUANT''X EDXRF Spectrometer for the measurement of precious

Analysis of gold jewellery with ARL QUANT''X EDXRF Spectrometer

Conclusion The results presented in this study demonstrate the exceptional performance of the ARL QUANT''X EDXRF Spectrometer for the measurement of precious metals in gold jewelry with a high

Handheld Diffraction Spectroscope, Pocket-Sized Grating ...

Handheld Diffraction Spectroscope, Pocket-Sized Grating Gemological Spectrometer in a Gem Tool Jewelers Eye Loupe for GIA Use and Quick Identification Gemstone Jewelry Magnifier

Analyzing Precious Metals

XRF spectrometer to precisely determine the presence and concentration of precious metal and trace alloying elements in 3-10 seconds, and measure gold purity. Request a demo or call Toll-FREE 1

Comparing XRF Analyzers for Precious Metals

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For example, manufacturers may be worried about trace lead in consumer goods, carbon in steel pipes, or metals and alloys used in critical

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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