How much does a precious metal spectrometer cost



Overview

XRF Analyzer Price & Gold Tester Cost | VRAYWhether you're seeking a gold testing machine price, handheld XRF analyzer cost, or details on an XRF spectrome.

Key Takeaways

Handheld XRF precious metal spectrometers typically range from $6,000 to $35,000 depending on model, features, and brand. Price Ranges by Model and BrandEntry-Level Models: Basic desktop or handheld gold testers, such as the VR-X3, cost around $6,000–$7,000 and are suitable for simple purity checks and small-scale applications.

Mid-

Range Handheld XR

F Analyzers: Portable analyzers with Si-PIN detectors, like the JITAI9201 or similar, are priced around $20,000 and offer faster analysis, better sensitivity, and portability for field or lab use.

High-

End Professional Units: Advanced models such as the Olympus Delta Pro, Delta Premium, or Thermo Scientific Niton XL2 can cost $30,000–$35,000 for new units, providing high-resolution SDD detectors, extensive calibration options, and precise analysis of multiple precious metals including gold, silver, platinum, and palladium.

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved

Financing Options

Some suppliers, like GEMORO, offer financing plans for as little as $350–$365 per month, making high-end analyzers more accessible for jewelers, pawnshops, and small businesses. Leasing options are also available through third-party companies, allowing payments to be spread over 2–4 years.

Factors Affecting Price

Detector Type: Si-PIN detectors are common in mid-range models, while high-sensitivity SDD detectors in premium models provide faster analysis and lower detection limits. Calibration and Software: Units with specialized precious metal calibrations, Karat ID, or plating detection software are more expensive. Portability and Build: Rugged handheld analyzers designed for field use may cost more than benchtop units.

Brand Reputation: Established brands like Olympus, Bruker, Niton, and Thermo Scientific generally command higher prices due to reliability and support.

Summary

For a precious metal spectrometer, expect to pay:$6,000–$7,000 for entry-level gold testers$20,000 for mid-range portable XRF analyzers$30,000–$35,000 for high-end professional units with advanced features Choosing the right model depends on your accuracy requirements, sample types, testing volume, and budget. Financing and leasing options can make higher-end models more affordable for small businesses or individual users.

Article Content

XRF Analyzer Price & Gold Tester Cost | VRAY

Whether you''re seeking a gold testing machine price, handheld XRF analyzer cost, or details on an XRF spectrometer price, you''ll find clear, updated information here.

Portable XRF Metal Analyzer

This rugged 245x250x90mm portable spectrometer delivers fast, precise elemental identification in the field.The 50kV X-ray tube and high sensitivity Si-PIN diode detector provide accurate analysis of

Portable XRF Analyzer & Price List

Here I list the price of a Portable XRF Analyzer (AKA handheld XRF spectrometer) depends on functionality and Brand. Used models can save you as much as 70% over new ones.

XRF Analyzer Cost Guide: Portable & Desktop Pricing | VRXRF

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved

Anyone considering an XRF analyzer for precious metal testing quickly realizes that prices vary widely. In general, a quality analyzer can range anywhere from a few thousand dollars to

XRF Analyzer Price | SPECTRO Analytical Instruments

Handheld models are the most affordable option, starting around $15,000, and are perfect for quick, on-site analysis. Benchtop systems, priced between $30,000 and $150,000 or more, offer higher

Amazon : XRF

Uncover the secrets of XRF with radiation detectors, analytical instruments, and educational guides. Unlock new possibilities with this powerful technology.

XRF Analyzer Price

XRF analyzer price guide for portable and handheld systems. Compare new, used, and rental options for scrap, PMI, gold, and soil testing.

How Much Does a Handheld XRF Spectrometer Cost?

For example, a simple scrap metal identifier may cost under $10,000, while a top-tier gold testing analyzer capable of detecting ultra-high purity (such as 99999 gold) may cost more than

XRF Analyzer Price & Gold Tester Cost | VRAY

Discover transparent XRF Machine Price and Gold Testing Machine Price at VRAY. Get detailed XRF Spectrometer Price, XRF Gold Analyzer Price, and Precious Metal Analyzer Price. Learn How Much

GEMORO XRF GOLD & PRECIOUS METAL

Gold & Precious Metal Analyzer The GEM ORO XRF is a handheld, portable Energy Dispersive XRF Spectrometer designed for jewelers, pawnshops, appraisers,

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.

Technologies and solutions used in precious metals analysis and

In industries that use precious metals, such as jewelry, electronics, and automotive, but also for mining and recycling companies, analyzing the metals ensures adherence to quality standards. By verifying

Handheld XRF Analyzer Price

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved

With any type of instrumentation designed to improve productivity, the most common question revolves around price. “What is the XRF analyzer price?” or “how much does an XRF analyzer cost?”.

Gold, Silver and Platinum Analysis | Bruker

Businesses involving buying, selling or processing refined gold, silver or platinum, find Bruker''s fast and accurate testing tools help run an efficient and profitable operation. Bruker''s precious metals testers

Analyzers

Budget & Low Price Affordable Cost Inexpensive Cheap Pre-owned / Preowned & Used Handheld & Benchtop XRF XRAY Fluoresence LIBS AND SPARK OES

XRF Spectrometer New & Used Prices

How much do XRF spectrophotometers cost? Prices for new XRF spectrophotometers typically range from $15,000 to $150,000, depending on factors such as detector type, sensitivity, and software

Portable XRF Analyzer & Price List

See many used XRF Analyzer Models and their prices. Here I list the price of a Portable XRF Analyzer (AKA handheld XRF spectrometer) depends on

GEMORO® XRF Gold & Precious Metal Analyzer

The GEMORO XRF Analyzer accurately measures a wide range of precious metal elements, including gold, silver, lead, and nickel. With its advanced technology,

Contact Us

Continue your research online:

Website: https://fdsoluciones.es
Technical inquiry: https://fdsoluciones.es/project-enquiry.html

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

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved