



SCOPEX PG7 PRECIOUS METAL ANALYZER FOR QUALITY INSPECTION AGENCY/FACTORY

ScopeX PG7 Precious Metal Analyzer for Quality Inspection Agency/Factory stands as flagship precious metal analyzer, featuring an integrated design with a built-in industrial control computer and a spacious sample chamber equipped with an X-Y platform.

ScopeX PG7 Precious Metal Analyzer for Quality Inspection Agency/Factory design accommodates samples in various forms. Its user-friendly interface and simple operation make daily analysis accessible even to non-professionals, facilitating quick identification of precious metal content, gold plating authenticity, and adulterated samples.

Characterized by fast analysis speed, robust stability, high accuracy, and broad applicability, ScopeX PG7 Precious Metal Analyzer for Quality Inspection Agency/Factory emerges as an ideal tool for jewelry factories, gold and silver purity marking centers, gold refineries, smelters, testing laboratories, and quality inspection institutions.

APPLICATIONS

ScopeX PG7 Analyzer – Incoming and Recycling Analysis

Incoming and Recycling Material Analysis

Analyzes composition of both new and recycled materials in jewelry factories. Ensures compliance with standards and evaluates reprocessing value.

ScopeX PG7 Analyzer – QC in Jewelry Factory

QC in Jewelry Factories

Monitors alloy ratios at all production stages. Quickly analyzes gold, silver, and platinum during smelting for accurate adjustments.

ScopeX PG7 Analyzer – Product Inspection

QC and Product Inspection

Ensures fineness and purity meet standards during QC and final inspections. Accurately analyzes 18K, 24K, platinum, and other jewelry compositions.

ScopeX PG7 Analyzer – Precious Metal Testing Institutions

Precious Metal Testing Institutions

Completes tests within minutes compared to traditional methods. Improves efficiency, reduces human error, and ensures reliable results.

FEATURES

Non-destructive test(NDT)

In the initial stages, there's no need to process samples. Instead, achieve nondestructive testing of precious metals simply, conveniently, and quickly.

Accurate and fast

Identification of precious metal composition can be swiftly completed within seconds to minutes.

A/S service

Our hotline is available 24/7, ensuring quick and professional responses to guarantee customers' peace of mind.

High accuracy

XRF technology delivers dependable purity and composition data with an accuracy of up to 0.01% (9999 gold).

Perfect safety protection

Various safety protection mechanisms, including a high-voltage safety lock (with automatic interlock), software-enabled opening cover, anti-leakage protection switch, and an all-metal closed shell, fundamentally ensure the personal safety of operators. These measures help prevent radiation exposure resulting from accidental operation.

High-precision manual X-Y axis platform

The high-precision manual X-Y axis platform offers increased flexibility and accuracy for the analyzer, enhancing the efficiency and precision of the measuring process.

Sample flexibility

Various sample forms, including small parts such as joints, buttons, inlays, and gem supports, can be easily tested.

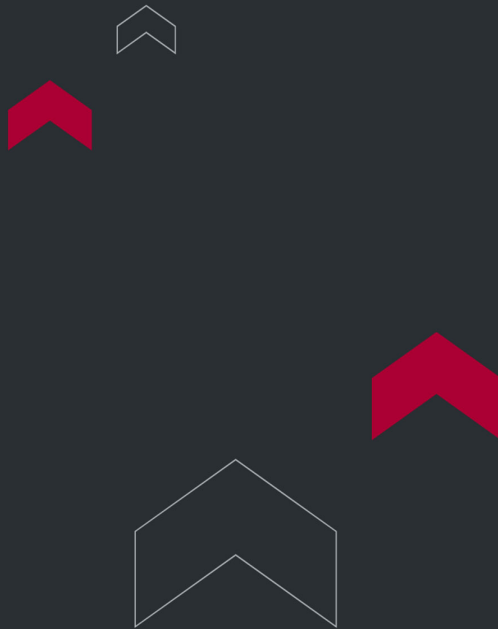
Equipped with Bluetooth printer

A Bluetooth printer is provided for wireless printing. Users can simply click the 'Print' button to quickly obtain reports and data.

TECHNICAL SPECIFICATIONS

Type	Benchtop
Weight	41KG
Size	330×580×360mm□ W×D×H□
Sample chamber size	320×480×130mm□ W×D×H□
Detection range	Al-U
Language	Multi languages including English
Detector	SDD detector
Optical structure	Vertical
Tube window	Glass window
Collimator	Equipped with 1.5mm collimator to reduce background noise, improve resolution and accuracy.
Accuracy	±0.01%□ 9999 gold□

Built-in computer	Included
Computer parameter	I5 quad-core + win11
Data printing	Bluetooth printer
Algorithm	ScopeX PG7 adopts curve calibration method and fundamental parameter(FP) method to remove background difference, reduce error and improve test accuracy.
One-click test button	‘Place the sample- -close the top cover- one-click test- -view the results’ operation is simple for non-technical personnel to analyze by themselves.
X-Y axis platform	The X-Y axis platform can adapt to samples of different sizes and shapes, providing greater flexibility and making the measurement process more efficient and accurate.
Camera	The built-in 5-megapixel HD CMOS color camera can not only provide users with intuitive sample positioning and image recording function, but also ensure that the X-ray accurately illuminate to the target area, improving the operation accuracy.
Power supply	AC 220V±5V 50Hz (110V also available)



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