

 **Neo** ScopeX PG6 Gold analyzer (all-in-one)
Instrument Co.

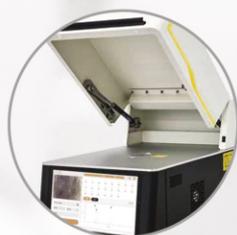
High-performance hardware configuration



Sample stage



**11.6-inch large
capacitive touch screen**



**Down irradiation
C-shaped structure**



Performance Advantages



NDT

No need for samples pre-processing, Simple, convenient and fast non-destructive testing of precious metals.

Rapid Test

Qualitative identification of samples in 3 second, Test result obtained in 60 second. Test data accurate to ppm level.

Sample flexibility

Easy to test samples of various shapes, as well as small parts on the sample, such as connectors, buttons, inlays, and gemstone holders.

HD

5 million pixel industrial-grade high-definition camera. Without opening the cover, the condition of the test area can be confirmed in real time to improve detection efficiency. At the same time, it is able to photograph the sample automatically for test report generation.

Multiple safety protection devices

High-voltage safety lock (automatic interlock), software cover-opening, anti-leak protection, switch and an all-metal enclosed body. Fundamentally ensure the personal safety of operators and avoid radiation damage caused by accidental operations.

No need for liquid nitrogen

The advanced Peltier electric cooling method is no need of liquid nitrogen, reducing the complexity of equipment use and saving manpower and equipment maintenance costs.

Specification



Item	Parameter
Sample Chamber Size	320×480×130mm (W×D×H)
Size of Host Machine	330×580×360mm (W×D×H)
Weight	38.6KG
Display screen	11.6-inch large capacitive touch screen
Detection range	Al-U
Accuracy	±0.03% (999 gold)
Test Object	Solid, Liquid, Powder
Tube window	Glass window
Optical structure	Vertical
Detector	Si-PIN detector
Collimator	Equipped with 2.5mm collimator to reduce background noise, improve resolution and accuracy
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
Language	Multi languages including Chinese, English
Power supply	AC 220V±5V 50Hz(subject to change in different regions)
Algorithm	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
Data printing	Bluetooth printer

Product configuration



ScopeX PG6
Gold analyzer (all-in-one)

ScopeX PG6 Gold analyzer (all-in-one) mainly consists of X-ray fluorescence detection system (X-ray tube, X-ray collimator, detector, etc.), sample chamber, software system and so on.



One-button intelligent operation

One-button operation, the whole analysis process can be completed in only tens of seconds, simple operation, non-technical personnel can easily and quickly master the method of use.

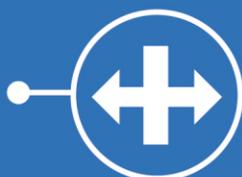


Accurate and reliable quantitative method

With the leading XRF analysis software of LANScientific international and the integration of calibration curve method, basic parameter method (FP) and other analysis methods, the accurate performance of the test data is fully guaranteed.

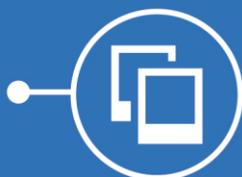
Correction curve method:The instrument determines the influence coefficient according to the determination of the standard sample. The standard sample is required to be similar to the sample to be tested, and the calibration model is simple.

Basic parameter method (FP method):The instrument determines the parameters by modeling and calculating various physical quantities according to the actual detected substances. The standard sample is not high, the calculation is more complex, suitable for the lack of corresponding standard sample material detection.



Easy customization

On the basis of testing, it provides a variety of custom Settings. You can change test conditions according to detection needs, or change thresholds according to screening needs, so as to realize personalized screening of different materials and elements.



Multiple forms of data output

Analytical data reports can be made 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.



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