

Neo Precious Metal Analyzer

Simply Accurate Jewelry Analysis



Neo Instrument Co.

Verify Precious Metals and Purity on the Spot

Buy and sell gold, jewelry, coins, and other valuables with confidence using the NEO PC+ precious metal analyzer. Accurate, easy to use, and nondestructive, the analyzer provides an affordable way to know the purity and composition of gold and other precious metals.

Compact and stylish for the showroom, the countertop instrument delivers accurate precious metal verification, karatage, and fineness in seconds.

- Measure the gold, silver, and other precious metals in your valuables on-site to quickly and accurately price items
- Identify fake items fast with the alert for gold plating and detection of hazardous elements (e.g., lead and cadmium)



Accuracy

Known for their accuracy and precision, NEO analyzers are used by thousands of customers around the world.

- The NEO PC+ analyzer uses our trusted technology to verify the precious metal content and other elements in your valuables
- Alternative methods, such as acid scratch tests used for gold, can be imprecise and unsafe
- Get actionable test results on the spot using our safe and accurate testing



Simplicity

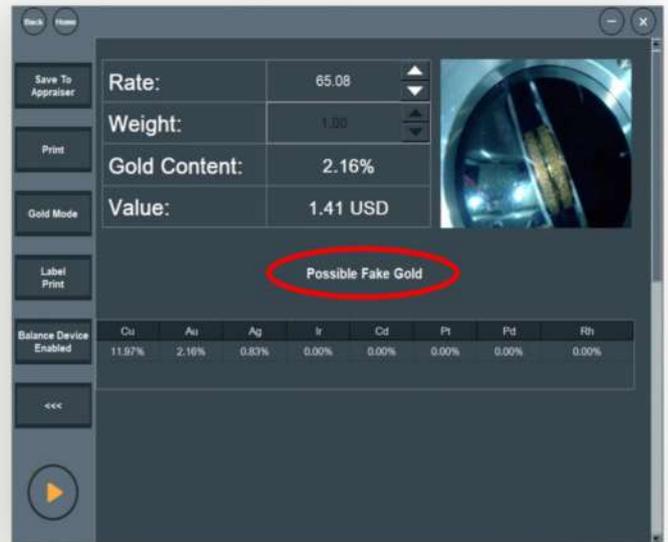
Getting an answer is as simple as pushing a button:

- Present results on the built-in touch screen or on a larger screen to explain results to customers
- Intuitive software and data transfer for seamless reporting
- Images from the built-in camera pair with test results for accurate documentation

Value

An affordable gold, silver, and precious metal testing solution, the NEO PC+ delivers a fast return on investment:

- Spot fakes fast and accurately price valuables with composition results in seconds
- See the real value of a material with detection of up to 7 chemical elements
- NEO PC+ provides a one-year warranty and post-warranty maintenance protects your investment
- Two available models offer flexibility, 12.1 Inch Touch Display and 9.1 Inch Touch Display



Functions

- Tests all colors of gold from 1% to 99.99% and silver, platinum, and palladium
- Test results shows both karat value and all percentages of metal elements
- Easy one-step calibration using pure silver
- Easy and safe to operate it (don't need any professional person)
- All data could be stored in the computer
- Reports can be printed out with A4/A5 and label form
- Follow easy steps to identify non-gold and plated gold

Safety

The NEO PC+ offers robust features in a compact countertop system for safe and reliable precious metals testing. The system uses X-rays in a controlled environment, so users are not exposed to radiation:

- If the cover is accidentally opened during the test, the system will immediately stop X-ray emission
- Camera inside the machine protect users while enabling continuous viewing of valuables to increase customer trust
- It is designed exactly to meet security standards with active radiation protection, high voltage protection and X-ray tube overheating protection.



Jewelry Shops



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X-ray fluorescence, or XRF, is a nondestructive method for elemental analysis used in our family of NEO analyzers. All analyzers feature our proprietary technology for enhanced XRF signal processing. Ultra-low-noise electronics push the boundaries of X-ray detector performance, resulting in higher X-ray counts per second and faster, more reliable results.

NEO PC+ Specifications

	N1 Series XRF Precious Metal Tester
Overall Dimensions - Machine	46 cm × 39 cm × 40 cm (18.11 in. × 15.35 in. × 15.75 in.)
Weight - Machine	30 kg (66 lb)
Working Principle	Energy Dispersive X-ray Fluorescence
Detector	High performance Si-Pin detector
Resolution	140eV FWHM
Accuracy	0.03%
Analysis Range	1 ppm to 99.99%
Testable Elements	Au / Ag / Cu / Zn / Ni / Cd / Pd / Ru / Sn / Ir / Pb / Co / Cr / Rh / W / Fe / In / Os / Pt / Re / Ge / Sb
Power Requirements	AC 220V ± 10V, or AC 110V ± 10V, 50/ 60 Hz
PC Or Laptop interface	Integrated PC with touch screen, Wireless LAN, USB interfaces, HD camera
Multichannel Analyzer	Digital multichannel
Operating Environment	Temperature 5 ° C ~ 38 ° C Humidity ≤70%
Operating System	Windows 10 Application software: Napco XRF Precious Metal Analyzer
Measurement Time	3sec ~ 60sec
Camera	Full-color camera
Warranty	One-year standard warranty with lifetime free software upgrade
Standard Accessories	AC power adapter, Silver calibrator, WiFi adapter, Film protective stickers, Ring holder
Connectivity	2 USB Ports
Package Size	59 cm × 55.5 cm × 53 cm (23.23 in. × 21.85 in. × 20.87 in.)
Package Weight	48 kg (105.82 lb)
Display	12.1 inches bigger display with full color touch-screen



Corporate Office: #7078/9 Rameshwari Nehru

Street, Karol Bagh, New Delhi -110005.

E-Mail: neoinsco@yahoo.in

www.neoxrf.com



+91-9911385644

Chennai office No. 9840666046

Pune office No. 9004216122

Kolkata office No. 9555611936