

Quickly Detect Gold Plating with AuDIT Technology

A common type of fraud when dealing with precious metals is gold plating where a less valuable metal is coated with just a thin layer of gold. Meet the challenge of identifying gold-plated items...vermeil (gold-plated silver), copper, steel, tungsten, and any other non-gold substrate with Thermo Scientific™ Au Detection & Identification Technology (AuDIT™).

Gold buyers can get this powerful technology on Thermo Scientific™ portable X-ray fluorescence (XRF) analyzers, including the Thermo Scientific™ Niton™ DXL and Thermo Scientific™ Niton™ XL2 Precious Metal Analyzers.

Key features:

1. Gold plating detection: AuDIT quickly and accurately identifies gold plating in a primary test. If an item fails the test, it is highly likely that the item is gold-plated, regardless of the gold concentration on the surface layer.
2. Complementary testing: If an item passes the primary test, AuDIT conducts several independent secondary tests. These include checking for high nickel content (indicative of a nickel boundary layer), low karat values, and non-standard karat values.
3. User-friendly operation: Niton portable XRF analyzers with the AuDIT software feature enable gold-buying operations to identify gold plating with the simple push of a button or the pull of a trigger.

AuDIT offers a robust and reliable solution to the pervasive problem of gold plating. By accurately identifying gold-plated items, AuDIT technology helps buyers be sure of the authenticity of their purchases, protecting their profitability and maintaining trust in the precious metals market.



Niton XL2 Precious Metal Analyzer



Niton DXL Precious Metal Analyzer

Learn more at thermofisher.com/preciousmetals

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