Thermo Scientific Portable XRF Analyzers

AuDIT Technology

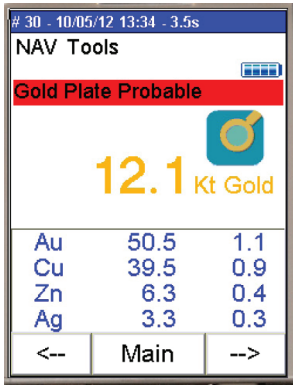
Gold plating identification

Thermo SCIENTIFIC

AuDIT – Gold Plating Detection System

Don't Waste a Precious Minute

For buyers of scrap gold jewelry, gold-plated pieces present significant challenges and can adversely affect profitability. We can help you meet that challenge – accurately and easily – with Thermo Scientific Au Detection & Identification Technology (AuDIT™). AuDIT is a proprietary plating detection technology developed for, and only available on, Thermo Scientific portable x-ray fluorescence (XRF) analyzers, including the Thermo Scientific Niton DXL and Niton® XL2 precious metal analyzers. This breakthrough software feature comes standard on any of our handheld or desktop analyzers that are calibrated for precious metals analysis. Several independent, complementary methods in the software work in tandem to alert you to the probability that an item is plated.



Quickly Detect Gold Plating

The primary patent-pending technology is used as the first test for gold-plated items. If this test fails, you can be relatively certain that the items are, in fact, plated. This method works regardless of the gold concentration of the plated surface layer. If this initial test fails, "Gold Plate Probable" is displayed and highlighted on the screen.

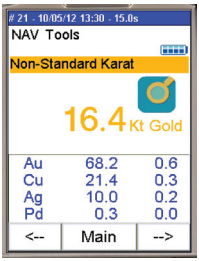
With patent-pending AuDIT technology, now there's an
plating with a simple push of a button or pull of a trigge

Available exclusively on Thermo Scientific portable XRF analyzers

Other tests are conducted simultaneously to warn users that something is "off" in the analysis of the sample.

These are considered secondary tests and will warn you only if the initial test passes. These tests include, but may not be limited to, the following:

1. High nickel (Ni) content, which can indicate presence of a Ni boundary layer between the substrate and plated surface
2. Low karat values
3. Non-standard karat values (readings significantly different than, 9, 10, 14, 18, 22, and 24 karat gold)



What's Under Your Plate

For more information on how AuDIT gold-plating detection technology can help you save time and costs, please contact your local Thermo Scientific Portable XRF Analyzer representative or visit our website at **www.thermoscientific.com/niton**.

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For more information, visit **www.thermoscientific.com/niton** or talk with your account representative.

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