



VANTA™ Portable XRF Analyzer

Take the Guesswork Out of Precious Metals Analysis

When accuracy and confidence count, Vanta™ analyzers provide immediate, nondestructive elemental measurement and karat determination of metals, including gold, platinum, silver, and more.

A useful tool for jewelers, pawn shops, coin collectors, cash-for-gold operations, museums, archaeological sites, and scrap recycling operations, the Vanta handheld XRF analyzer for precious metals analysis offers users the flexibility to perform a variety of applications:

- Jewelry analysis
- On-the-spot gold karat analysis
- Platinum versus white gold
- Silver and other metal content identification in gold
- Gold content verification in scrap pieces
- Bar and coin analysis



The Vanta™ Series

Fast

Elemental Analysis in Seconds

- Ultra-low-noise Axon Technology™ provides the resolution needed to differentiate between similar materials
- Test-to-test repeatability helps ensure your first test is the same as your last
- Share results with your customers with single-click PDF reporting
- Plate Alert software feature quickly recognizes low-value gold-plated jewelry

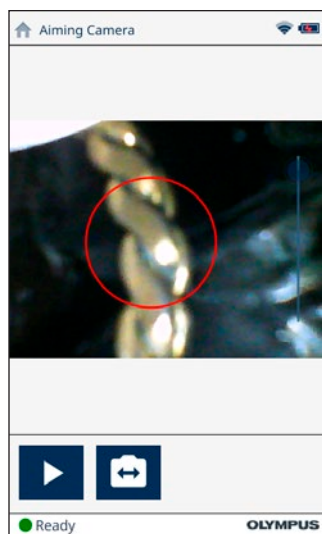


Fig. 1

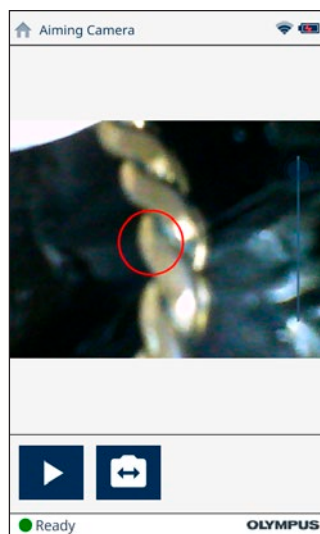


Fig. 2

Focused

On-Target with Every Test

- Optional integrated aiming and panoramic cameras record images of each sample for improved reporting (fig. 1)
- Single-click, 3 mm diameter collimation enables precise testing and analysis of small areas of the sample (fig. 2)

Precious Metals			
Karat: 14.04			
El	%	+/-	
Au	58.506	0.061	
Rh	1.417	0.015	
Ni	10.348	0.035	
Cu	23.087	0.046	
Zn	6.642	0.028	
< LOD			
El	%	+/- 3σ	
Ag	ND	<0.030	
Pd	ND	<0.030	

Fig. 3

Flexible

Onboard Material Library

- Elemental analysis of a wide variety of precious metals, including Ag, Au, Pt, Pd, Ir, Rh, Ni, Pb, Cu, Zn, Fe, Co, and more (fig. 3)
- Gold karating, fineness, and intelligent Plate Alert features quickly provide the results you need (fig. 4)

Precious Metals			
Karat: 0.54			
Gold Coating Possible - Investigate Plating Alert: Karat < 7.5			
El	%	+/-	
Au	2.262	0.027	
Ni	17.926	0.039	
Cu	62.407	0.055	
Mn	0.017	0.004	
Fe	0.675	0.009	
Co	0.041	0.004	
Zn	8.475	0.034	

Fig. 4

Olympus manufactures Vanta analyzers to suit a variety of applications depending on your needs. Each Vanta analyzer is engineered for durability and analytical superiority and comes with a 3-year warranty.

M Series

Our most powerful Vanta analyzers feature exceptional performance. Each M Series analyzer comes equipped with a large-area silicon drift detector, your choice of either a rhodium (Rh) or a tungsten (W) anode, and a 50 kV X-ray tube.

C Series

The C Series combines value with superior speed, limits of detection (LODs), and elemental range. Each C Series analyzer is equipped with a silicon drift detector and your choice of a 40 kV X-ray tube with a rhodium (Rh) or tungsten (W) anode, or a 50 kV X-ray tube with a silver (Ag) anode.

L Series

Get the ruggedness, ease of use, and data management features of Vanta analyzers in a cost-effective PIN instrument. The L Series is designed for maximum uptime and a lower cost of ownership for reliability in the field.

www.olympus-ims.com

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