VIGILANT 9000 XRF is designed for the on-site analysis in the wild, featuring small, light, precise, rapid, beautiful, safe, convenient, waterproof and long-standby time. Equipped with digital multi-channel technology, it greatly improves the detection limit and stability of the instrument, expanding the application fields. The Software is simple to navigate and offers real-time results on its PDA touch screen allowing easy computer interfacing for long-term storage, analysis and report generation.

Light Xanalytics Inc.

Vigilant 9000

Features:

- User-friendly application software that provides all the critical information on one screen
- Display element spectrum, in-process results of elemental content, camera image, measurement time, etc.
- Inbuilt high-resolution camera sample viewing system provides easy sample alignment with image on computer screen.
- High stability Spellman™ high voltage supply with maximum 50KV voltage.
- Ensure longtime working stability; adjustable voltage can excite specific elements of interest in best status.
- Adoption of new generation X-ray tube with excellent shielding of X-ray radiation.
- Advanced SDD detector of high energy resolution
- Realize excellent distinguishing ability for neighboring elements of the periodic table and high test repeatability.
- Inbuilt signal-to-noise enhancer realizes 25 times improvement of effective signal processing

Hand Held Alloy and Stainless Steel Analyzer, Mineral & Precious Metals, RoHS, WEE etc

A user friendly machine
Has a simple and easily operable software.
Has a rugged design for harsh environment.
Performs truly nondestructive test.
Results in less than a minute.
GPS navigation system to mark the site location.
Has applications

- From mining to industry
- Exploration to final product.
- Manufacturer to retailer.
- Laboratory to QA/QC tests
- Scrap to precious metals etc
Alloy Testing Advantages:

Rapid nondestructive testing: 1-2 seconds for rapid detection, ~ 10secs for precise detection.

Professional alloy analysis software with easy operation.

Multiple alloy analysis modes, including quantitative analysis (ppm), qualitative analysis etc.

Built-in multi-calibration methods can calibrate deviation caused by different geometric states.

Unique adjustable fundamental parameter technology provides more analytical modes and more precise modes for customers.