

# **Metal Detection Methods Using Spectrometers**



## Metal Detection Methods Using Spectrometers



Spectroscopic methods like Spark/Arc Atomic Emission Spectrometry (AES), X-ray Fluorescence (XRF), and Inductively Coupled Plasma (ICP) techniques are essential for analyzing ...



Whether you need a gold tester, alloy analyzer, or elemental screening solution, the Qualitest range of XRF Spectrometers and Metal Analyzers ensures high-accuracy material analysis for your industry.



Achieve laboratory-grade precision with VRAY XRF spectrometers. Our advanced sensors ensure consistent and reliable metal composition analysis for refineries and manufacturing.



Discover how XRF spectrometers improve metal analysis in steel production, mining, counterfeit detection, and scrap metal recycling with fast, accurate results.



By analysing the light emitted from an excited metal sample, we can determine not just which elements are present, but precisely how much of each element exists — down to parts per ...



WiserMachine offers both handheld and benchtop XRF spectrometers designed for reliable metal detection and precise elemental composition analysis. Whether you need portability or ...



SPECTRO provides a full range of metal analyzer instruments, offering comprehensive solutions for the metals industry, from production to quality control.



Although atomic fluorescence can provide lower detection limits for some metal ions, these instruments are less commonly available therefore, our discussion in this unit will focus on analysis using atomic ...



If scientists need to assess pollution levels or monitor metal corrosion in structures, advanced spectrometers provide critical data on what metals are present and at what concentrations.



Equipped with a removable **Mounting Plate** inside the enclosure, enabling customized drilling and secure component mounting.

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Portable Niton spectrometers make material identification easy and precise. You can now experience innovation with the state-of-the-art Niton Apollo: the handheld analyzer for Carbon Equivalency ...

## Contact Us

For more information, pricing, or custom solutions, please contact us:

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