

Handheld Ferrosilicon Elemental Spectrometer



Overview

This rugged 245x250x90mm portable spectrometer delivers fast, precise elemental identification in the field. The 50kV X-ray tube and high sensitivity Si-PIN diode detector provide accurate analysis of metal alloys, impurities, and more. Easy-to-use solution packages help customers in process and quality control to meet industry norms and standards including ASTM, DIN, ISO and FDA. Highest analytical accuracy and precision enable. Thermo Scientific Niton instruments utilize X-ray fluorescence spectroscopy (XRF), laser induced breakdown spectroscopy (LIBS), and Thermo Scientific AuDIT gold plating technology to provide rapid and reliable elemental analysis. They are available in handheld and portable forms, depending on the. Spark optical emission spectrometry (OES) is the most reliable and established analytical technique to determine the mass fraction or identification (Positive Material Identification, PMI) of metals and their alloys. Bruker XRF analyzers use x-ray fluorescence to excite the sample to be able to. Following Malvern Panalytical's acquisition of SciAps in 2024, the Z-Series handheld LIBS analyzers are now part of our expanding portfolio of portable solutions for elemental analysis. The small and powerful Epsilon 1 benchtop.

Article Content

Elemental analyzers

As part of Malvern Panalytical's 2024 acquisition of SciAps, the X-Series handheld XRF analyzers, including the high-performance X-555 and the portable benchtop

Field portable X-ray fluorescence (FP-XRF) as powerful, rapid, non ...

FP-XRF (field portable X-Ray Fluorescence Spectroscopy) is a powerful tool for element determination, both quantitatively and qualitatively. FP-XRF due to its rapid, non-destructive, and

TRACER 5 pXRF spectrometer | Bruker

TRACER 5 is the high value in-situ pXRF performer synchronizing power, function, precision and accuracy for dynamic, field capable laboratory-like elemental

XRF Analyzers | XRF Spectrometers | Malvern Panalytical

Malvern Panalytical XRF spectrometers for elemental and thin-film thickness analysis, suited for a variety of analytical and sample throughput.

SPECTRO xSORT Handheld XRF Analyzer for Metal Analysis

This innovative handheld XRF gun analyzer quickly handles just about every onsite metal testing need imaginable, from the scrapyard or

Handheld XRF Spectrometer | Handheld Spectrometer

Labmate Handheld XRF Spectrometer provides non-destructive analysis for

Niton Portable Analyzer Models

Review the many models of Thermo Scientific Niton portable XRF and LIBS analyzers for elemental identification and metal verification.

Mobiles Funkenspektrometer ferro.lyte®

ferro.lyte® ist ein mobiles Funkenspektrometer zur Metallanalyse, optimiert für den Einsatz in den Bereichen Metallerzeugung, Metallverarbeitung und Metallrecycling. ferro.lyte arbeitet nach dem

Handheld XRF Spectrometers for Elemental Analysis

Handheld/Mobile/Portable XRF Spectrometers Handheld / portable X-ray fluorescent (XRF) analyzers have the capability to non-destructively quantify or qualify nearly

Mobile optical emission spectrometer ferro.lyte®

ferro.lyte® is a mobile spectrometer, optimized for use in metal production, metal processing and metal recycling. It uses the principle of optical emission spectrometry (OES) with spark excitation.

Portable Mineral Testers for Mining and Exploration

In mineral exploration and mining, fast access to reliable geochemical data helps guide decisions in the field. X-Ray Fluorescence (XRF)-based portable mineral

Bruker TRACER 5i Handheld XRF Analyzer

The Bruker TRACER 5i XRF is a handheld, portable spectrometer ideal for elemental analysis in the field and in laboratory-like settings. Specifically

Handheld/Portable XRF Analyzers for Precise Elemental Analysis

Handheld XRF Analyzers are designed for elemental and chemical analysis of a wide range of materials and rapid identification of metal/nonmetal.

Elemental Analyzers

EDS is a common microanalytical technique used for the elemental analysis of samples under an electron microscope. Find out more about how EDS works and how it can be used! Bruker

Portable XRF Spectrometer 5000 – Handheld Alloy

The AELAB Portable XRF Spectrometer 5000 is a powerful handheld analyzer tailored for quick, accurate elemental analysis of alloys and precious metals.

Hand-held spectrometers deliver on-site identification,

Spectro Analytical Instruments has introduced the Spectro xSort family of hand-held EDXRF spectrometers for on-site elemental analysis and

Portable Hand Held Laser-induced Breakdown

In the present work, laser-induced breakdown spectroscopy (LIBS) was used to differentiate between different black toners of printers and

Elemental Analyzer

Introducing an elemental analyzer for use with VHX microscopes. Simply place the target on the stage to perform elemental analysis with no destruction, deposition,

Instruments for optical emission spectrometry (OES)

Our innovative instruments for optical emission spectrometry (OES) include mobile spectrometers for precise metal analysis wherever needed.

Mobiles Funkenspektrometer ferro.lyte®

Das mobile Funkenspektrometer ferro.lyte mit dem innovativen All-In-One Konzept ist für die präzise Metallanalyse schwer zugänglicher

Elemental Analysis with Handheld XRF Analyzers | Bruker

From trace elemental analysis to 100% alloy concentrations, Bruker's handheld XRF provides fast, nondestructive analysis in the field and in the lab delivering near-laboratory quality elemental

Portable XRF Metal Analyzer

This rugged 245x250x90mm portable spectrometer delivers fast, precise elemental identification in the field. The 50kV X-ray tube and high sensitivity Si-PIN diode

Elemental Analysis Using a Handheld X-Ray Fluorescence Spectrometer

Elemental Analysis Using a Handheld X-Ray Fluorescence Spectrometer The U.S. Geological Survey is collecting geologic samples from local stream channels, aquifer materials, and rock outcrops for

Portable handheld spectrometers

For rapid, on-site elemental analysis, the SciAps X Series handheld XRF analyzers stand out. These devices deliver lab-quality results in seconds, making them

Moving toward a Handheld "Plasma" Spectrometer for Elemental

Many of these components are already commercially available or at least have been reported in the literature. Comparisons to other "handheld" elemental analysis devices that employ

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