

Handheld Intelligent 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. The new SPECTRO xSORT handheld XRF boasts numerous new features and designs aimed at enhancing user speed, ease, and convenience, while also delivering advanced analytical performance. It offers fast laboratory-quality screening results on-site. With dimensions of 245mm * 250mm * 90mm and weighing just 1. lyte® is a mobile spectrometer, optimized for use in metal production, metal processing and metal recycling. In contrast to conventional handheld instruments, ferro. The small and powerful Epsilon 1 benchtop. Handheld / portable X-ray fluorescent (XRF) analyzers have the capability to non-destructively quantify or qualify nearly any element from Magnesium to Uranium, depending on the instrument configuration.



Article Content

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 XRF, LIBS, and

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 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 handheld spectrometers

Our portable handheld spectrometer instruments Handheld and portable spectrometers have the ability to quantify or qualify nearly any element without

Elemental Composition Analysis

When you need elemental composition analysis, you need a reliable, highly accurate analytical tool that is easy to use. Bruker XRF elemental composition analyzers

Multielement analysis of metals and alloys

Handheld elemental analyzer ELANIK uses Laser-Induced Breakdown Spectrometry (LIBS) method which theoretically allows analysis of all the elements without

SPECTROTEST_TXC035_int dd

This product line also includes the smaller lightweight SPECTROPORT OES analyzer and the SPECTRO xSORT XRF handheld. These are backed up by a trio of advanced stationary metal

Portable handheld spectrometers

Malvern Panalytical offers a range of portable spectrometers and a portable XRF analyzer alternative to a XRF handheld or XRF gun.

Handheld XRF Basics

An X-ray fluorescence spectrometer (XRF) is an instrument used for elemental analysis of a variety of different materials. Some examples include: metal alloys, precious and exotic metals, plastic, soil,

Handheld XRF Spectrometers for Elemental Analysis

Bruker's portable XRF solutions offer multi-element analysis with off-the-shelf or customized methods to provide actionable results at any stage of the food

Portable NIR spectroscopy: the route to green analytical

Abstract There is a growing interest for cost-effective and nondestructive analytical techniques in both research and application fields. The

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.

Bruker TRACER 5i Handheld XRF Spectrometer

The Bruker TRACER 5i Handheld XRF Spectrometer is a portable device designed for precise elemental analysis in both field and laboratory settings. Capable of

Q4 MOBILE Mobile Spark Spectrometer

The new freedom in mobile OES The Q4 Mobile marks a milestone in the history of mobile optical emission spectroscopy. For all fields of applications in metal sorting, PMI, analysis, Q4 Mobile is

Moving toward a Handheld "Plasma" Spectrometer for Elemental

A successful "handheld" plasma atomic spectrometer may be achievable with current technology for many applications. For the purpose of this discussion, we will refer to instruments that are battery

SPECTRO xSORT XRF Handheld Analyzer for many

Fast on-site elemental analysis: The SPECTRO xSORT handheld XRF is the ideal analyzer for compliance testing and quick screening of non-metallic samples.

Niton Portable Analyzer Models

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

MIRA XTR

MIRA Cal DS is the control, measurement, and data processing software solution for MIRA XTR handheld Raman spectrometers. The software is designed for easy

Elemental Analysis with Handheld XRF Analyzers | Bruker

Elemental analysis with Bruker handheld XRF analyzers enables on-the-spot elemental analysis for high concentrations such as percentage, as well as for trace elemental concentrations such as ppm (parts

Contact Us

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

Website: <https://www.watermanfinance.co.za>

Email: sales@watermanfinance.co.za

Phone: +49-176-8294713

Address: Neue Mainzer Str. 66-68, 60311 Frankfurt am Main, Germany

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