

Sudan Handheld Material Elemental Content 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 Bruker line of handheld XRF elemental composition analyzers offers the utmost in analytical ease and accuracy, along with many other benefits: You will find Bruker elemental composition analyzers in many industries and across many applications such as: When you need elemental composition. □□Portable Precision Metal Analysis: Compact yet powerful, Handheld XRF Analyzer delivers accurate metal analysis anytime, anywhere. With dimensions of 245mm * 250mm * 90mm and weighing just 1.5 kg, it's equipped with a high-sensitivity Si-pin/SDD probe, targeting materials like Ag, W, and Ta with. SPECTRO handheld and portable XRF analyzers are rugged, easy-to-use instruments designed for fast, accurate elemental analysis directly at your testing location. They deliver reliable results within seconds—without the need for laboratory testing. Handheld elemental analyzer ELANIK uses Laser-Induced Breakdown Spectrometry (LIBS) method which theoretically allows analysis of all the elements without complex preparation of the sample, on any material.



Article Content

Hot

Nine Elements That Challenge Handheld XRF Analyzers — But Are

Introduction Handheld X-ray fluorescence (XRF) analyzers are useful for many elemental measuring tasks across numerous industries and applications. Advanced models — such as the SPECTRO

Jan 10, 2026 Hot

Handheld X-ray Fluorescence (XRF) Spectroscopy Learning Center

Your questions answered on how handheld XRF technology is used in industrial operations to determine elemental composition of metals and alloys with non-destructive analysis.

Dec 28, 2025 Hot

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

Mar 26, 2026 Hot

Portable and Handheld XRF Analyzers | Evident Scientific

Vanta™ handheld XRF analyzers are powerful XRF instruments that can measure the elemental composition from magnesium (Mg) to uranium (U), from parts per

Feb 27, 2026 Hot

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

Nov 01, 2025 Hot

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.

Aug 03, 2025 Hot

XRF Analyzer from Bruker | Alloytester

How does a handheld XRF analyzer work? Handheld XRF analyzer work via the principles of X-ray Fluorescence spectroscopy. The analyzer produces X-rays which are then emitted on the material

Jun 27, 2026 Hot

Handheld/Portable XRF Analyzers for Precise Elemental Analysis

Ideal for applications such as alloy grade identification, elemental composition verification, and multi-material analysis, these handheld XRF analyzers are used across industries including

Sep 20, 2025 Hot

Multielement analysis of metals and alloys

Being a portable handheld device (weight ~ 2 kg), ELANIK combines high analysis sensitivity and the ability to measure ultralight elements (C, Be and others) of

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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

Mar 04, 2026 Hot

Portable XRF Metal Analyzer

Meet your metal analysis needs anywhere with the JITA19201 Handheld XRF Analyzer. This rugged 245x250x90mm portable spectrometer delivers fast,

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SPECTRO xSORT

THE SPECTRO xSORT HANDHELD X-RAY FLUORESCENCE (XRF) SPECTROMETER furnishes high-throughput, highly reliable elemental testing and spectrochemical analysis of countless metals

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Portable XRF Metal Analyzer

Meet your metal analysis needs anywhere with the JITA19201 Handheld XRF

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XRF Analyzer from Bruker | Alloytester

Handheld XRF provides accurate and rapid information about the elemental composition of a material without any sample damage. Modern handheld XRF analyzers include calibrations for accurate

Jul 12, 2025 Hot

Handheld XRF Spectrometer LXRF-B14

Labtron's Handheld XRF Spectrometer LXRF-B14 is designed for fast, accurate elemental analysis across a wide range of materials. It uses

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Handheld XRF Basics

Handheld XRF Basics What is a Handheld XRF spectrometer and how can it help you? Elemental Analysis with a Portable X-ray Fluorescence Spectrometer What

Jun 07, 2026 Hot

Handheld XRF Spectrometer | Handheld Spectrometer

Labmate Handheld XRF Spectrometer provides non-destructive analysis for

Dec 06, 2025 Hot

XRF Analyzers

The X-MET8000 range delivers reliable performance needed for rapid alloy grade identification and accurate chemistry of a wide variety of materials. Weighing just

Mar 14, 2026 Hot

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

Sep 08, 2025 Hot

SPECTRO xSORT Handheld XRF Analyzer for Metal

The SPECTRO xSORT XHH04 handheld XRF gun is an elemental analyzer that's designed for high-throughput analysis of metals and alloys on the spot.

Dec 22, 2025 Hot

Elemental Composition Analysis

The Bruker line of handheld XRF elemental composition analyzers offers the utmost in analytical ease and accuracy, along with many other benefits: Handheld,

Sep 16, 2025 Hot

AELAB Portable XRF Spectrometer 5000 – Handheld

This handheld device uses X-ray fluorescence (XRF) technology to determine the composition of various materials quickly and accurately. The AELAB Portable

Apr 23, 2026

Contact Us

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