

# Portable Aluminum Material 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. When handhelds aren't enough, the amazing new SPECTROPORT portable metal analyzer applies more advanced OES technology — in a unit as easy to use as a handheld analyzer. SPECTROPORT delivers many advantages of SPECTRO's portable OES flagship, SPECTROTEST, in a smaller, lighter package. With dimensions of 245mm \* 250mm \* 90mm and weighing just 1. Smart Integration: Instruments now feature IoT connectivity. Handheld LIBS Analyzer LMHLA-A101 offers detection of aluminum and other elements within 1 second. It features color backlit touch screen with an industrial-grade HD resistive display for clear viewing.



## Article Content

Handheld LIBS Spectrometer for Alloy & Metal Analysis

ScienceGears delivers fast, portable LIBS tools to identify alloys and light elements with high precision, anywhere you work.

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

Handheld LIBS Analyzer LMHLA-A101 | Portable LIBS

Handheld LIBS Analyzer LMHLA-A101 is ideal for rapid elemental analysis of

XRF Spectrometers and Metal Analyzers | Worldoftest

XRF Spectrometers & Metal Analyzers – Advanced Elemental Analysis for Accurate Material Identification XRF Spectrometers and Metal Analyzers are primarily used

Portable XRF Metal Analyzer

Meet your metal analysis needs anywhere with the JITA19201 Handheld XRF

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

Elemental Analysis Solutions | ICP-OES, ICP-MS, XRF & OES

Elemental analysis determines which elements are present and in what amounts. Learn the difference between qualitative vs quantitative analysis, how ICP-OES/ICP-AES, ICP-MS, XRF, handheld XRF,

SPECTROSCOUT

Fast and on-site: Elemental analysis of rock, sediment and soil. Element range starting from Na, detection limits for relevant trace elements significantly lower

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

Alloy Tester, Industrial, Elemental, Radiation | Thermo

Achieve instant, actionable data with Thermo Scientific elemental and radiation detection solutions. Combining sophisticated technologies, including X-ray

## Handheld Alloy Element Analyzer (LIBS Technology)

Monitor raw material batches for trace element compliance (e.g., Mg in aluminum wheels). Field-test soil/ores for heavy metals (Pb, Cr) and rare earth elements.

## Advanced Technologies for Identifying Scrap Metals and Alloys

PGNAA is well suited for post-shredding bulk stream elemental analysis, scrap blending and stockpile management, and feedstock control prior to furnace charging. This capability helps improve process

## SPECTRO xSORT

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

## Exploring the elemental detection on portable XRF vs SEM-EDX in ...

The protocols included the use of a field portable XRF spectrometer for in situ analyses and on homogenized, pulverized, air-dried soil samples sieved to < 250- $\mu$ m fraction in the laboratory.

## Metal Identification Tool for elemental analysis | Alloytester

Bruker's handheld TITAN metal testing tool enables the rapid determination of the elemental content of almost any metal. The use of a portable, handheld system

## Optical Emission Spectrometers

Elemental analysis for the metals industry Metal producing industries like foundries, steel- copper-, aluminium plants, and all kinds of fabricators in the automotive,

## Portabler Metallanalysator

Bei Anwendungen, in denen RFA-Handspektrometer nicht ausreichen, überzeugt der neue portable Metallanalysator SPECTROPORT durch seine moderne OES-Technologie, ohne dabei an

## Elemental analyzers

Malvern Panalytical elemental analyzers are designed for various applications and industries, including pharmaceuticals, mining and environmental monitoring.

## Metal Identification Tool for elemental analysis | Alloytester

Bruker's Handheld and portable XRF analyzers allow for rapid metal identification, engineered for ease of use, accuracy, and reliable elemental analysis. See where

## SPECTRO xSORT Handheld XRF Analyzer for Metal Analysis

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

## Handheld Spectrometer: Portable Analysis Tools

A portable spectrometer is used for immediate, on-site analysis. Common uses include measuring color, verifying material composition, conducting quality control checks, and identifying

## Spectrometer Aluminium: High-Precision Analysis Tools

Discover top-rated spectrometer aluminium solutions for accurate elemental analysis. Find portable, durable, and high-resolution devices with advanced features like wireless data transfer and AI support.

## PG SPARK OES CCD METAL ANALYSER FOR

This high quality, affordable and compact OES Spark Spectrometer is perfect for the routine analysis of elemental content in materials such as Iron and Steels,

## AELAB Portable XRF Spectrometer 5000 - Handheld

The AELAB Portable XRF Spectrometer is a compact and efficient tool designed for analyzing metal alloys and precious metals.

## Handheld LIBS Analyzer LMHLA-A101 | Portable LIBS

Handheld LIBS Analyzer LMHLA-A101 is a compact and efficient tool designed for rapid, non-destructive elemental analysis in various research and industrial

## Portable spectrometer for aluminum

Portable spectrometer for aluminum analysis with 380-780nm light spectrum, low price around \$23561, ideal for wholesale buyers, suitable for lithium battery recycling, cobalt nickel manganese testing,

## Contact Us

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

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

Email: [info@blazingfast.co.za](mailto:info@blazingfast.co.za)

Phone: +27 83 416 7295

Address: Plot 45, Silicon Savannah Road, Tatu City, Kiambu 00900, Kenya

This document is for informational purposes only. Specifications subject to change without notice.

