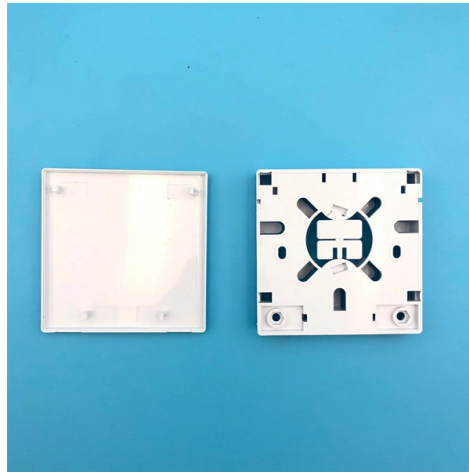


# Portable High Manganese Steel Elemental Composition Spectrometer



## 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. As a global leader in this area, SPECTRO offers a complete range of metal analyzer products – from handheld XRF to arc spark OES spectrometers – for the many different tasks in onsite metal analysis. 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. Our Belec Compact Port HLC is your reliable partner for mobile metal analysis. Rely on our over 50 years of experience in mobile spectrometry. Sturdy trolley offers. ferro. lyte® is a mobile spectrometer, optimized for use in metal production, metal processing and metal recycling. lyte enables the precise analysis of. Here, an innovative portable LIBS instrument has been developed, with a modular design to reduce complexity and increase usability. A multi-distance shared calibration. If you're trying to prevent grade mix-ups of incoming and outgoing materials, conduct material verification and quality control, or maximise profits in a scrapyards then this oe spectrometer is the solution for you.

## Article Content

Dec 09, 2025

A multi-distance shared calibration curve for quantitative

This work provides a feasible approach for rapid elemental analysis in the production process of high-manganese steel. By realizing the rapid determination of

Apr 12, 2026

Handheld Spectrometers: Portable Analysis Solutions

Discover handheld spectrometers for rapid, accurate material analysis. Ideal for industrial, lab, and field use. Find top-rated, verified suppliers with AI-powered recommendations. Click to explore advanced

Mar 08, 2026

Elemental Analysis | Spectrometer Manufacturers

Products Our stationary Arc/Spark OES offer high-productivity solutions for metal analysis. Our Mobile OES offer a rugged and reliable solution for on-site metal

Jun 14, 2026

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

Oct 12, 2025

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

Nov 16, 2025

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.

Dec 17, 2025

XRF Analyzers | XRF Spectrometers | Malvern Panalytical

X-ray Fluorescence (XRF) spectrometers are powerful analytical instruments designed to unveil the elemental composition of various materials.

Oct 14, 2025

Portable XRF Metal Analyzer

This rugged 245x250x90mm portable spectrometer delivers fast, precise

Jul 30, 2025

AELAB Portable XRF Spectrometer 5000 - Handheld

Discover the AELAB Portable XRF Spectrometer 5000 - a handheld, high-precision analyzer for alloys and precious metals. Fast results, rugged design, and lab

Feb 11, 2026

Portable Metal Analyzer

The SPECTROPORT portable arc spark spectrometer is ideal for many applications in the metal producing, processing, and recycling industries. Find out more.

Jun 04, 2026

Mobile Spark OE Spectrometer | PMI-MASTER Pro2

Search for metals worldwide by specific chemical composition or mechanical properties. Decipher metal specifications and finding the correct grade for a

Dec 22, 2025

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,

Jan 02, 2026

A multi-distance shared calibration curve for quantitative analysis of ...

It may be further optimized for use in production processes requiring speed and stability analysis. Cited by A multi-distance shared calibration curve for quantitative analysis of manganese in

Jul 12, 2025

SPECTROSCOUT

Light weight and portable elemental analyzer Fast and on-site: Elemental analysis of rock, sediment and soil. Element range starting from Na, detection limits for

Feb 09, 2026

portable spectrometer | Belec

For maximum flexibility and precision, Belec offers a comprehensive range of accessories for the portable spectrometer Belec Compact Port HLC and our

Mar 21, 2026

XRF Metal Analyzer: Quick results | Alloytester

Metal analysis is any analysis that is used to verify a metal or alloys elemental composition. Some metal analysis methods are destructive and alter the sample,

Jul 26, 2025

Portable handheld spectrometers

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

Nov 18, 2025

Handheld Material Tester

Material Testing is an important aspect of a variety of business operations, educational curriculums, and research processes. You will find a variety of

Mar 24, 2026

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

Jul 18, 2025

XRF Metal Analyzer

XRF metal testers provide accurate and precise chemical composition of a sample. Handheld spectrometers for metal analysis however can not provide any

Sep 13, 2025

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,

Feb 28, 2026

portable spectrometer | Belec

Our Belec Compact Port HLC is your reliable partner for mobile metal analysis. With its robust design and state-of-the-art technology, it delivers accurate results, whether in the laboratory or directly on site.

Nov 07, 2025

### Spectrometers for Steel Testing in Steel Industry Plants

Our Mobile OES offer a rugged and reliable solution for on-site metal analysis. Our Rotating Disc Electrode Optical Emissions Spectrometers (RDE

Feb 16, 2026

### Mobile Metal Analyzer

For onsite metal analysis, SPECTRO offers a complete range of mobile metal analyzer products, from handheld XRF to portable Arc Spark OES spectrometers.

May 01, 2026

### 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

Jul 01, 2025

### Chemical and Structural Analysis of Material using XRF and XRD

Elemental imaging at high spatial resolution  
Chemical compound identification  
Chemical compound identification Bulk state elemental composition  
Structural crystallinity and composition  
Identification of

Oct 23, 2025

### Products

Our Mobile OES offer a rugged and reliable solution for on-site metal analysis. Our Rotating Disc Electrode Optical Emissions Spectrometers (RDE OES) determine

Jan 09, 2026

### A multi-distance shared calibration curve for quantitative

Here, an innovative portable LIBS instrument has been developed, with a modular design to reduce complexity and increase usability. The portable remote LIBS

Jan 01, 2026

### COLORIMETRIC DETERMINATION

COLORIMETRIC DETERMINATION OF MANGANESE (Chemistry 51 Version) The objective of this experiment is to determine the percentage of manganese in a steel sample, using colorimetric

## Contact Us

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

Website: <https://piano-lessons.co.za>

Email: [info@piano-lessons.co.za](mailto:info@piano-lessons.co.za)

Phone: +31 6 37258914

Address: Herengracht 123, 1015 BT Amsterdam, Netherlands

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

