

Slovenia Handheld Metal Spectrometer



Overview

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

Key Takeaways

Several handheld and portable metal spectrometers, including SPECTROPORT, SPECTRO iSORT, Belec Compact Port HLC, and portable XRF analyzers, are available for on-site metal analysis in Slovenia.

SPECTROPORT Portable Metal Analyzer The SPECTROPORT is a portable optical emission spectrometer (OES) that combines the accuracy of lab-grade instruments with handheld convenience. It can analyze elements such as carbon, sulfur, phosphorus, and boron in seconds, offering fast, point-and-shoot operation. The device features predefined calibration packages and the iCAL 2.0 system for stable performance and minimal standardization effort. It also supports automated operation for high sample throughput via a TCP-IP interface, making it suitable for metal production, processing, and recycling industries .

SPECTRO iSORT The SPECTRO iSORT is a battery-powered, handheld spectrometer designed for on-site identification of common metal alloys. It uses arc excitation and does not require argon or radioactive sources. This device is ideal for quick alloy verification and sorting in the field, providing reliable elemental analysis with minimal operator intervention .

Belec Compact Port HLC The Belec Compact Port HLC is a robust, mobile OES spectrometer suitable for both laboratory and field use. It features a heat-stabilized climatic chamber, intuitive touchscreen interface, and can be equipped with three different sparking probes tailored to specific applications. Its design allows a single operator to transport and operate the device efficiently, making it versatile for quality assurance, construction, and scrap yard analysis .

Handheld XRF Analyzers Portable XRF spectrometers, such as the JITA19201, provide fast elemental identification using a 50 kV X-ray tube and high-sensitivity Si-PIN or SDD detectors. These devices are lightweight (around 1.5 kg), feature automated beam switching, Peltier cooling, and onboard data storage for up to 400,000 spectra. They are ideal for fieldwork requiring rapid, non-destructive analysis of metal alloys and impurities .

Suppliers and Availability in Slovenia

Slovenia hosts several companies and distributors that provide handheld and portable metal spectrometers. SPECTRO and Belec devices are represented locally, and companies listed on [environmental-expert.com](https://www.environmental-expert.com) offer sales, support, and service for analytical instruments in the region. These suppliers can assist with device selection, calibration, and training for on-site metal analysis .

Summary

For on-site metal analysis in Slovenia, users can choose between OES-based devices like SPECTROPORT and Belec Compact Port HLC for high-accuracy elemental analysis, or XRF-based handheld analyzers for rapid, non-destructive testing. Local suppliers provide access to these instruments along with technical support, making it feasible to implement portable metal analysis in industrial, recycling, or field applications.

Article Content

metals analysis Companies and Suppliers in Slovenia | ...

The new SPECTRO iSORT is a battery-powered, hand-held spectrometer for on-site identification and analysis of all common metal

Mobile Metal Analyzer

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

Portable handheld spectrometers

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

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SPECTROTEST

The SPECTROTEST mobile arc spark spectrometer is ideal for many applications in the metal producing,

Multielement analysis of metals and alloys

Argon-free operation without an inert gas and other consumables; Automated metal base selection; Own

Mobile metal analyzers: on-the-spot solutions for incoming and

Metal mistakes and counterfeits are impacting supply chains worldwide. Accepting the wrong alloy at the shipping dock or on the

Portable handheld spectrometers

Our portable handheld spectrometer instruments Handheld and portable spectrometers have the ability to quantify or qualify nearly

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Handheld LIBS (Laser-Induced Breakdown Spectroscopy) Analyzer Handheld LIBS analyzers represent a

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

Hand-held XRF Analyzer Fluorescence Spectrometer

Hand-held XRF Analyzer Fluorescence Spectrometer for Ore Sample Metal Analysis:

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Handheld Spectrometer: A Comprehensive Review and Guide for Metal ...

A handheld spectrometer is a portable device that uses X-ray fluorescence for non-destructive elemental analysis, ideal for metal

Hand-held LIBS spectrometer

Rigaku Analytical Devices has introduced the Katana hand-held laser-induced breakdown spectroscopy (LIBS)

Analytical Instruments

SPECTRO is a leading supplier of X-ray fluorescence (XRF), ICP-OES/AES, and Arc/Spark-OES instruments for science and

Elemental Analysis Solutions & Analytical Instruments | SPECTRO

Our technologies include Optical Emission Spectroscopy (Arc/Spark OES), Inductively Coupled Plasma Optical Emission

Handheld LIBS Analyzer LMHLA-A101 | Portable LIBS

Labmate is supplier of Handheld LIBS Analyzer LMHLA-A101 with 1 second detection time, color backlit

Portable Libs Spectrometer Lis-01

A portable LIBS Spectrometer LIS-02 is designed for operational input inspection of rolled metal products,

Metal Spectrometer

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SPECTRO xSORT Handheld XRF Analyzer for Metal Analysis

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