

American Metal 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. Like its predecessors, this tenth-generation SPECTROMAXx (LMX10) furnishes outstanding speed. Users get ultrafast information, and can react rapidly to changing process conditions. It also provides drastically reduced cost of ownership — with lower consumables plus advanced diagnostics and easy. □□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. Our Mobile OES offer a rugged and reliable solution for on-site metal analysis. 0 digital. This cutting-edge instrument sets a new standard in elemental analysis for metal producing and fabricating plants, delivering high performance at a remarkably low cost. Analyzing with accuracy and precision from trace to percent element concentration levels, the reliability of our. The world's most economical, yet truly scalable, Optical Emission Spectrometer for elemental analysis down to ≤ 50 ppm Single-optics system equipped with a cutting-edge, high-resolution CCD detector tailored for SMEs. Capable of analysing 30+ elements across bases, including Carbon, Sulphur, and.

Article Content

OIML R 100 (E), Edition 1991

ATOMIC ABSORPTION SPECTROMETERS for MEASURING METAL POLLUTANTS in WATER 1 Scope 1.1 This Recommendation provides requirements for defining, testing, and verifying the

Metals Analysis by Atomic Spectroscopy

This section will provide an introduction to atomic spectroscopy.& nbsp; The basic concepts of flame atomic absorption spectroscopy (FLAA), graphite furnace

Annual Conference Homepage

Annual Conference Homepage 74th ASMS Conference on Mass Spectrometry and Allied Topics May 31 - June 4, 2026 | Short Courses May 30 & 31 San Diego Convention Center Carlito Lebrilla, VP for

Elemental Analysis Solutions & Analytical Instruments | SPECTRO

SPECTRO is a preferred manufacturer in many industries, such as metals, chemicals, petrochemicals, environmental, pharmaceuticals, geology, food and more. Our analytical solutions help achieve

Optical Emission Spectrometry | Optical Emission Spectrometer | Thermo ...

An optical emission spectrometer offers fast and simultaneous elemental analysis of many metals and alloys in metallurgical industries and

SPECTROMAXx Metallanalysator | SPECTRO Analytical

Die zehnte Generation des SPECTROMAXx verfügt über völlig neue Werkskalibrierungen mit erweiterten Kalibrierbereichen und Elementauswahlen,

Metallurgical Analysis

Check out our easy-to-use, rugged, and reliable metallurgical analysis solutions, allowing monitoring of major, minor, and trace element content in ferrous and nonferrous metals, metalloids and metal

Atomic Absorption Spectroscopy (AAS)

PerkinElmer has been a pioneer in atomic absorption spectroscopy (AAS) since its earliest days - from the first ever commercial AA system back in 1961 to the first commercial longitudinal Zeeman

Alpha Magnetic Spectrometer

The Alpha Magnetic Spectrometer (AMS-02) is a particle physics experiment module that is mounted on the International Space Station (ISS). The experiment is a

Optical Emission Spectrometry | Optical Emission

An optical emission spectrometer offers fast and simultaneous elemental analysis of many metals and alloys in metallurgical industries and analysis laboratories.

ARL X900 XRF Spectrometer | Thermo Fisher Scientific

ARL X900 Spectrometer: Turn-key solutions The ARL X900 Spectrometer also supports automation and offers turn-key solutions tailored to the metals, cement, and mining industries. These pre-configured

Metal Power

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 analysis. Our Rotating Disc Electrode Optical

Atomic absorption spectroscopy

Atomic absorption spectroscopy Flame atomic absorption spectroscopy instrument A scientist preparing solutions for atomic absorption spectroscopy, reflected in the

Atomic Absorption Spectroscopy Overview

Atomic absorption spectroscopy is an analytical technique used for trace metals analysis. What is atomic absorption spectroscopy and how does an AA spectrometer work?

Solid-State Nuclear Magnetic Resonance Spectroscopy for Surface ...

Metal oxide materials have found wide applications across diverse fields; in most cases, their functionalities are dictated by their surface structures and properties. A comprehensive

Atomic spectrometry update: review of advances in the analysis of ...

We are looking for writers working in the field of atomic spectroscopy to contribute to one of the six reviews: advances in environmental analysis; advances in the analysis of clinical and

Stationary Metal Analyzer SPECTROCHECK

This high-quality, compact and affordable instrument is ideal for routine analysis of elemental content in a variety of metal samples such as iron-, aluminum-, or

benchtop metal analyzer SPECTRO M01

This cutting-edge instrument sets a new standard in elemental analysis for metal producing and fabricating plants, delivering high performance at a remarkably low

A Theory-Guided X-ray Absorption Spectroscopy Approach for

Atomically dispersed supported metal catalysts offer new properties and the benefits of maximized metal accessibility and utilization. The characterization of these materials, however,

Used Spectro Spectrometers and Inspection Equipment

Used Spectro Spectrometers and Inspection Equipment Commonly available Spectrometers and Inspection Equipment are found as used, second hand

Analytical Chemistry Standards

ASTM's analytical chemistry standards are instrumental primarily in chemical analysis of various metals, alloys, and ores. These analytical chemistry standards present various test methods and techniques

MOSS | Metallurgical Online Spectrometry System

Single-optics system equipped with a cutting-edge, high-resolution CCD detector tailored for SMEs. Capable of analysing 30+ elements across bases, including

Trace Metal Analysis

SPECTROLAB S is designed to supply the fastest possible measurements; greatest throughput; lowest limits of detection; longest uptime; and most future-proof

Mobile Metal Analyzer

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.

Contact Us

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