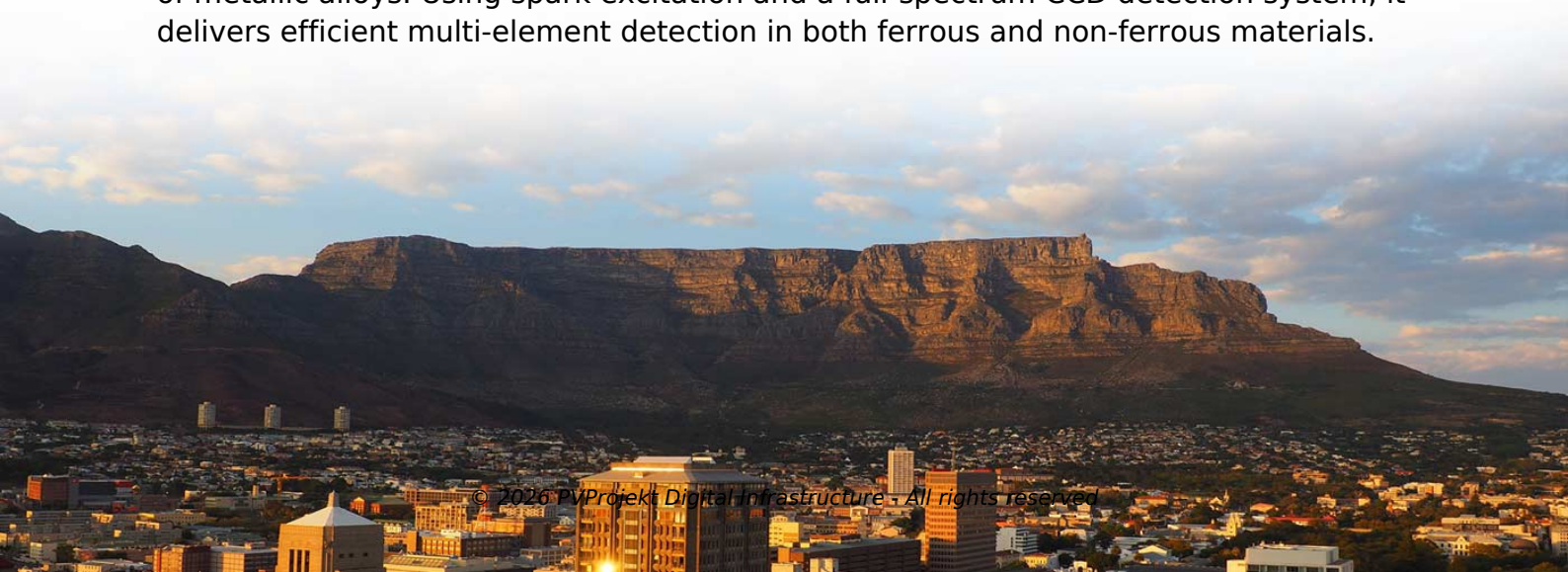
Direct-reading spectrometer for metal elements

Overview

Direct reading spectrometers operate based on the optical emission spectrometry (OES) principle. When a sample (usually metal) is excited by an arc or spark discharge, it emits light at wavelengths characteristic of its elements. Detecting emission lines from excited atoms within seconds enables real-time alloy control before solidification or post-processing. The instrument is simple to operate, easy to maintain, the analytical accuracy fully meets the requirements of the laboratory, and can be used for a long time under. SPECTROMAXx direct-reading spectrometer is mainly used for material testing in foundries around the world, as well as inspections in the metal industry. The device SPECTROMAXx can identify all elements used in the metal industry, including metal analysis of carbon, phosphorus, sulfur and nitrogen. LS-1899 mobile spectrometer has the characteristics of high analysis accuracy, good stability, easy operation, flexible application, small size and light weight, which can complete the identification, sorting and composition analysis of alloy materials in the process of incoming materials and. The AES998 is a high-performance desktop Optical Emission Spectrometer (OES) engineered for fast, accurate elemental analysis of metallic alloys. Using spark excitation and a full-spectrum CCD detection system, it delivers efficient multi-element detection in both ferrous and non-ferrous materials.



Article Content

Metal Elements Full Spectrum Direct Reading Spectrometer Optical ...

DW-TY-9000 Full Spectrum Direct Reading Spectrometer, which adopts the international standards of design and manufacturing technology, follows the steps of international spectrum technology and

CCD Multi-Element Metal Full Spectrum Direct Reading Spectrometer

Can measure including trace carbon (C), phosphorus (P), silicon (Si), sulfur (S) elements, suitable for a variety of metal substrates, such as: iron-based, aluminum-based, copper-based, nickel-based,

Metal Testing Machine, Spark Direct Reading

Application W5 Optical Emission Spectrometer (spark OES) is used for applications in metal elemental analysis, trace element analysis for science and industry like Metallurgy, Foundry, Mechanical

Full Spectrum Reading Spectrometers

Shop high-quality reading spectrometers for metal analysis. Enjoy reliable, full-spectrum results with direct reading capabilities. Perfect for lab and industry use.

New versatile computer-controlled direct reading emission spectrometer ...

New versatile computer-controlled direct reading emission spectrometer 923 2.4 Operation A chosen element is excited in the source. One selected carriage is coupled to the arm and the

Direct-reading spectrometers

Initially, direct reading spectrometers, based on a polychromator, were used for simultaneous multi-element analysis, although these were expensive, bulky and generally limited to specific elements.

M5000 CCD full spectrum direct reading spectrometer

M5000 bench-top direct reading spectrometer for rapid quantitative analysis of a variety of metal materials in the chemical elements.

SPECTROMAXx Direct Reading Spectrometer

The device SPECTROMAXx can identify all elements used in the metal industry, including metal analysis of carbon, phosphorus, sulfur and nitrogen.

Full Spectrum Direct Reading Spectrometer for Metal

The full spectrum direct reading spectrometer is a new type of atomic emission spectrometer. Qualitative and quantitative analysis of elements is carried out by

Direct Reading Spectrometers Are Used to Test Elements of Steel

Direct Reading Spectrometers Are Used to Test Elements of Steel and Non-Ferrous Materials, Find Details and Price about Metal Spectrometer Steel Casting Spectrometer from Direct

Direct Reading OES Spectrometer for Metal Analysis

W5 Optical Emission Spectrometer (spark OES) is used for applications in metal elemental analysis, trace element analysis for science and industry like

Direct Reading Spectrometer for On-Site Alloy

The direct reading spectrometer offers a rapid, on-site solution for monitoring elemental composition during manufacturing. Detecting emission lines from

Direct Reading Spectrometer for Aluminum Alloy, Cast

Comprehensive analysis for the elements in most metals with the full spectrum detection Based on the CCD detector with the full spectrum detection technology,

CX-9900 Mobile Metal Analyzer Optical Emission Spectrometers Direct ...

Product Description CX-9900 Mobile Metal Analyzer Optical Emission Spectrometers Direct Reading Spectrometer Description CX-9900 mobile metal analyzer is a mobile arc spark spectrometer ideal

Mobile Spectrometers/Mobile Metal Alloy Direct Reading

Mobile Spectrometers/Mobile metal alloy direct reading spectrometer test alloy cast iron steel for C, P, S, Fe elements 2 strument features 1. Optical system: The

Optical Emission Spectroscopy Metal Analyzer

The direct reading spectrometer OES8000s adopts CMOS detector full-spectrum testing technology, which can test all spectral lines covering the wavelength range.

DW-OES 8000S Direct-reading Optical Emission

Direct-reading spectrometer is widely used in element content analysis in iron and steel, nonu001fferrous metal materials, which is fast, accurate, stable, and as

LS-1899 Mobile Metal Alloy Direct Reading Spectrometer

It is a combination of CCD optical technology and modern microelectronic components of the field metal analyzer, for the need to detect C,P, S, B and other non-metallic elements and not easy to cut large

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.

DW-OES 8000S Direct-reading Optical Emission

Featuring easy configuration as well as addition of test matrix, channel, and analysis program, the instrument is compact in size, easy to maintain and good for

Spark direct reading spectrometer AES998

The AES998 is a high-performance desktop Optical Emission Spectrometer (OES) engineered for fast, accurate elemental analysis of metallic alloys. Using spark excitation and a full-spectrum CCD

Metal Analysis Direct Reading Optical Emission

Metal Analysis Direct Reading Optical Emission Spectrometer CMOS-based, spark discharge, optical emission spectrometer Multi-bases, full spectrum analysis for

Direct-reading ICP-Optical Emission Spectrometer (for

Direct-reading spectrometer is widely used in element content analysis in iron and steel, nonferrous metal materials, which is fast, accurate, stable, and as dozens

Metal Alloy Direct-Reading Multi Elements Optical

Direct-reading spectrometer is widely used in element content analysis in iron and steel, nonu001fferrous metal materials, which is fast, accurate, stable, and as

Direct Reading Spectrometer

This CMOS spectrometer not only includes the full spectrum characteristics of the CCD spectrometer, but also has the extremely low detection limit of the PMT

Encapsulating Knowledge: The Direct Reading Spectrometer

Through examining the development of the direct reading spectrometer, I argue for a materialist conception of knowledge. These instruments are a material form of knowledge, knowledge of

Full Spectrum Direct Reading Spectrometer for Metals

It is one of the major devices that applies to quality control, material brand recognition, material research and development in the metallic manufacturing,

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