Arc Spectrometer

In this section we consider two additional techniques for achieving atomic emission: arc sources and spark sources.

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

Learn more about the working principle of SPECTRO´s portable, mobile and stationary metal analyzers that utilize ark/spark optical emission spectroscopy.

Looking for a mobile optical emission spectrometer? View our range offering the highest level of accuracy & precision for C, B, S, P, As and Sn.

An electric arc or spark is passed through the sample, heating it to a high temperature to excite the atoms within it. The excited atoms emit light at characteristic wavelengths which are ...

Arc spark spectrometers (or also referred to as spark emission spectrometers) analyze metallic samples through the application of an electric arc or spark, causing analytes to emit light and thereby ...

The arc has a relatively high operating temperature and as such is suitable for the evaporation, dissociation, atomization, ionization and excitation of a wide variety of materials.

Perform rapid elemental analysis of solid metallic samples with OES using Arc/Spark excitation. This technique meets the most demanding analysis needs of the metals industry from production control ...

Emission Spectrometry (OES) Easy elemental analysis of metals and alloys in less than o Ideal for process control in metal production one minute Ultra-fast analysis of non-metallic inclusions ...

High resolution Echelle Polychromator as used in the DC Plasma AE Spectrometer & other instruments Another diagram of an Echelle optical system employing a Charge Injection Transducer (i.e. a 2D ...

Arc Spectrometer

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