

# Non-metallic element spectrometer



## Overview

Quantify virtually all elements from 100% to sub-ppb in a single scan, with a dynamic range spanning 12 orders of magnitude. Using the dual-detector system with automatic cross calibration, the Astrum Swift can measure 78 isotopes, from lithium to uranium, in under 3 minutes. The new SPECTRO xSORT handheld XRF boasts numerous new features and designs aimed at enhancing user speed, ease, and convenience, while also delivering advanced analytical performance. This cutting-edge analyzer efficiently manages critical metals and alloys (iron and steel, Al, sparks). The material ablated on grating over a certain high accuracy and precision. Sample with the wavelengths of or with a milling machine. Our advanced OES technology delivers fast, reliable verification for critical metal alloys, helping you maintain product integrity and meet industry standards without production delays. Rapid analysis of conducting and non-conducting solids for when material purity is critical Ultimate stability and ease of tuning: ready to operate in as little as 5 minutes, with low gas backgrounds. Thermo Fisher Scientific™ ARL iSpark™ 8860 Inclusion Analyzer with Spark-DAT.

## Non-metallic element spectrometer



Fast on-site elemental analysis: The SPECTRO xSORT handheld XRF is the ideal analyzer for compliance testing and quick screening of non-metallic samples.



This advanced analyser offers a unique combination of full elemental analysis and rapid characterisation of non-metallic inclusions in steel, allowing steel manufacturers to ensure low ...



The ARL iSpark 8860 Inclusion Analyzer is the first optical emission spectrometer on the market to combine full elemental coverage with rapid characterization of non-metallic inclusions in a single ...



Element's OES analysis provides rapid, quantitative breakdown of your metals with percentage-level accuracy, helping you confirm material specifications, maintain quality control, and prevent costly ...



We will do this with reference to Oxford Instruments' AZtecSteel system with particular reference to the TruQ collection of spectrum processing algorithms - discussing how they are essential to ensuring ...



The CMOS spectrometer is not only contain the full spectrum characteristics of CCD spectrometer but also the extremely low detection limit for non-metallic elements such as C, S, P, B, As, N etc. The ...



Quantitative determination of numerous elements from Ag to Zr Cost-effective determination of C, N, O, P and S in steel and from trace level to percents of more than 40 elements



A review of publications regarding detection of non-metallic inclusions in metal alloys using optical emission spectrometry with single-spark spectrum registration is presented.



OES has a fast, multi-element performing analysis, which is accurate and repeatable. It can identify a broad variety of components, which include light components like carbon, nitrogen, and ...



Quantify virtually all elements from 100% to sub-ppb in a single scan, with a dynamic range spanning 12 orders of magnitude. Using the dual-detector system with automatic cross calibration, the Astrum ...

## Contact Us

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

Website: <https://samastersbaseball.co.za>

Email: [sales@samastersbaseball.co.za](mailto:sales@samastersbaseball.co.za)

Phone: +27 63 874 2095

Address: 15 Innovation Drive, Technopark, Stellenbosch, 7600, South Africa

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

