

## Arl Spectrometer



### Overview

The ARL PERFORM'X spectrometer now features a 6th generation goniometer that is entirely digitally mastered, allowing for faster and more accurate measurements. The goniometer can be set up to do quantitative or qualitative analysis. The ARL PERFORM'X spectrometer now features a 6th generation goniometer that is entirely digitally mastered, allowing for faster and more accurate measurements. The goniometer can be set up to do quantitative or qualitative analysis on certain elements, which involves scanning the X-Ray spectrum to find elements in a given sample. With up to nine an. Image Credit: Thermo Fisher Scientific - Elemental and Phase Analysis The ARL PERFORM'X spectrometer adds value to the laboratory by offering additional capabilities for challenging, non-routine studies. 1. Complete characterization of unknown samples without calibration standards 1.1. Thermo Scientific™ QuantAS™ software allows for the semi-quantitative analysis. Image Credit: Thermo Fisher Scientific - Elemental and Phase Analysis 6th generation universal gearless goniometer. Image Credit: Thermo Fisher Scientific - Elemental and Phase Analysis Removal of Rh tube lines with primary beam filter. Image Credit: Thermo Fisher Scientific - Elemental and Phase Analysis Four collimator changer as standard. Image Credit: Thermo Fisher Scientific - Elemental and Phase Analysis C. Small Sample Analysis For regular examination of small samples, a programmable aperture changer is an optional feature. It works in tandem with cassettes that have corresponding apertures between 35 and 5 mm (normal diameter is 29 mm; alternative sizes include 5, 10, 15, 20, 25, and 35 mm). Small Spot Analysis 1. Specimen selection for narrow spot analysis using the on-board camera 2. Pinpoint focus with 1.5 mm or 0.5 mm X-Ray beam diameters 3. When paired with UniQuant standard-less analysis software, permits complete quantification 4. Perfect for failure analysis and samples used in forensics, automotive, industrial, metallurgical. The ARL PERFORM'X spectrometer could be located right above the sample changer. It can handle a maximum capacity configuration of 112 samples for unattended and over...

## Article Content

### ARL QUANT<sup>™</sup>X EDXRF Spectrometer

The Thermo Scientific ARL QUANT<sup>™</sup>X EDXRF spectrometer is a convenient and cost-effective analysis tool delivering major, minor and trace element quantification

### Thermo ARL 3460 Technical Description

View and Download Thermo ARL 3460 technical description online. Metals Analyzer Optical Emission Spectrometer. ARL 3460 measuring instruments pdf manual

### Spectrotek, LLC

Spectrotek specializes in service, repair, and calibration for Thermo-ARL Spectrometers. With over 5,000 ARL 3460 systems and 2,000 ARL 4460 systems installed worldwide, these spectrometers are

### ARL<sup>™</sup> easySpark<sup>™</sup> Metal Analyzer

Perform fast, accurate and reliable elemental analysis of solid metal samples from trace to percent level with the Thermo Scientific<sup>™</sup> ARL<sup>™</sup> easySpark<sup>™</sup> Metal

### ARL X900 Simultaneous/Sequential XRF Spectrometer

The Thermo Scientific<sup>™</sup> ARL<sup>™</sup> X900 XRF Spectrometer is a robust WDXRF analyzer with XRD capability that provides quick, precise elemental composition

### Thermo Scientific ARL 9900 IntelliPower Series

ARL 9900 IntelliPower Series X-ray Spectrometers complete laboratory in one instrument of automation and digital control make the ARL 9900 easy to use. Specified with the appropriate automatic sample

### ARL iSpark Plus Inclusion Analyzer

The ARL iSpark Plus Inclusion Analyzer with Spark-DAT has unparalleled speed for inclusion analysis in steel. Thanks to Spark-DAT methods, inclusion data are obtained at the same time as the elemental

### OES, XRF and XRD Analysis | ARL Spectrometers | | Thermo Fisher ...

ARL Spectrometers for OES analysis and XRF, XRD analysis in the lab For more than 90 years, Thermo Fisher Scientific has set the standard for elemental and structural analysis of solid, liquid and powder

### ARL<sup>™</sup> PERFORM<sup>™</sup>X Sequential X-Ray Fluorescence

ARL<sup>™</sup> PERFORM<sup>™</sup>X Sequential X-Ray Fluorescence Spectrometer. X-ray fluorescence with sample surface mapping and small spot analysis solves

### ARL X900 XRF Spectrometer | Thermo Fisher Scientific

The Thermo Scientific™ ARL™ X900 is a robust WDXRF analyzer with XRD capability that provides quick, precise elemental analysis for industrial process control.

#### ARL iSpark Plus Series OES Metal Analyzer

The Thermo Scientific ARL iSpark Plus Series Metal Analyzer is an innovative optical emission spectrometry platform with full PMT optics for reliable, high-performance

#### ARL™ QUANT™X EDXRF Spectrometer EDXRF

The Thermo Scientific™ ARL™ QUANT™X EDXRF Spectrometer provides major, minor, and trace element quantification across the broadest range of samples,

#### ARL iSpark™ Serie optisches Emissionsspektrometer

Die ARL iSpark Serie ist eine leistungsstarke OES-Spektrometer-Plattform auf der Grundlage der besten PMT (Photomultiplier Tube)- und CCD-Optiken. Das Gerät zeichnet sich durch äußerst empfindliche

#### Thermo Scientific ARL QUANT

The new ARL QUANT™X EDXRF Spectrometer is more efficient, easier to operate, and less expensive to own, providing manufacturers and researchers across a wide range of applications a state-of-the-art

#### ARL 4460 OES Metals Analyzer

The Thermo Scientific ARL 4460 combines several advanced technologies with the world's most famous spectrometer optics. It is the market reference regarding accuracy, performance and speed of

#### XRF Analyzers | X-Ray Fluorescence Analyzers

Fast, reliable elemental analysis—in the lab and field We offer a wide range of X-ray fluorescence (XRF) instruments designed to meet the

#### ARL X900 Simultaneous/Sequential XRF Spectrometer

The ARL X900 sequential/simultaneous wavelength-dispersive XRF spectrometer is most suitable for XRF elemental analysis and process control. It delivers reliable

#### Optical Emission Spectrometers Product Range

ARL SMS-2000 system With an installed base of several hundred units, this compact and easy to install system has established an undisputed reputation for excellence. Today, the ARL SMS-2000 is the

#### ARL™ PERFORM™X Sequential X-Ray Fluorescence

The Thermo Scientific™ ARL™ PERFORM™X Sequential X-Ray Fluorescence Spectrometer for advanced materials characterization integrates bulk elemental

#### Thermo Scientific ARL X900 XRF Spectrometer

The Thermo Scientific™ ARL™ X900 XRF Spectrometer is the answer to your needs. Built on decades of experience and designed from the ground up for demanding industrial applications, it

#### ARL iSpark Plus: Fast, Stable Optical Emission Spectrometer

In this interview, discover the advantages of incorporating the Thermo Scientific ARL iSpark Plus high-resolution spark optical emission spectrometer into your routine analysis workflow.

#### ARL iSpark Series

The ARL iSpark spectrometers are delivered as turn-key systems with ready-to-use applications, pre-configured and calibrated in our factory. Analytical conditions, parameters and calibrations optimized

#### ARL QUANT™X EDXRF Spectrometer

ARL QUANT™X benchtop energy-dispersive X-ray fluorescence (EDXRF) spectrometer for efficient and easy elemental analysis Provides major, minor and trace element quantification across the broadest

#### Sequential X-Ray Fluorescence Spectrometer

ARL PERFORM™X Powerful add-ons for problem solving and R& D The ARL PERFORM™X spectrometer brings added value to your laboratory with new features for challenging non-routine analyses.

#### Thermo Scientific ARL iSpark Plus

The ARL iSpark Plus has several innovative signal acquisition and processing features that contribute to the superb performance and stability of the instrument, and make it a totally unique OES spectrometer.

## Contact Us

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

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