NEX OL Process Elemental Analyzer

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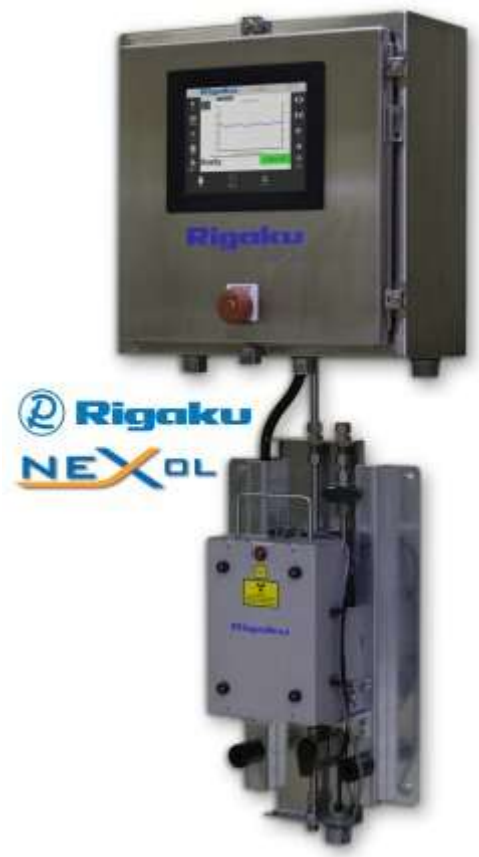
On-line, real-time analysis by Energy Dispersive X-ray Fluorescence (EDXRF)



Featuring advanced 3rd generation energy dispersive X-ray fluorescence (EDXRF) technology, the Rigaku NEX OL represents the next evolution of process elemental analysis for liquid stream and fixed position web or coil applications. Designed to span from heavy industrial through to food grade process gauging solutions, the NEX OL is configurable for use in both classified and non-classified areas.

Analyze from aluminum ($_{13}$Al) to uranium ($_{92}$U)

To deliver superior analytical performance and reliability, the EDXRF measuring head assembly was derived from the established Rigaku NEX QC^{+} high-resolution benchtop instrument. With this proven technology, the Rigaku NEX OL delivers rapid, non-destructive, multi-element analyses — from parts-per-million (ppm) levels to high weight percent (wt%) concentrations — for elements from aluminum (Al) through uranium (U). Equipped with a 50 kV X-ray tube and SDD detector — together with a standardized, optimized suite of tube filters — the Rigaku NEX OL is engineered to solve a broad range of process control applications.

Features and benefits

- Real-time process control by elemental analysis
- Measure elements ($_{13}$Al to $_{92}$U)
- From ppm levels to weight percent (wt%)
- Robust NEX QC^{+} optics with SDD detector
- Industrial touch screen user interface
- Easy empirical calibration and routine operation
- Toolless routine maintenance
- Multiple remote analysis heads (non-classified)
- No dangerous radioisotopes

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Coating thickness and composition

In addition to analyzing liquid streams, the Rigaku NEX OL is designed to service web and coil applications, with the ability to perform multi-element composition and/or coating thickness. Typically a head is mounted in a fixed position over a roller so that the head to surface distance is constant.

Elemental Analyzers

NEX QC MFA marine fuel analyzer

(nex-qc_mfa.php)

NEX QC series affordable EDXRF analyzers

(nex-qc.php)

NEX QC+ QuantEZ EDXRF spectrometer

(nex-qcplusez.php)

NEX DE Advanced EDXRF spectrometer

(nex-de.php)

NEX DE VS Small spot advanced EDXRF spectrometer

(nex-devs.php)

NEX CG Cartesian secondary target EDXRF spectrometer

(nex-cg.php)

NEX OL Process EDXRF analyzer

(nex-ol.php)

NEX XT X-ray transmission process sulfur gauge

(nex-xt.php)

NEX LS Multi-element process coatings analyzer

(nex-ls.php)

About Rigaku (about.php)

Since 1951, Rigaku has been at the forefront of analytical and industrial instrumentation technology. Rigaku and its subsidiaries form a global group focused on life sciences and general purpose analytical instrumentation. With hundreds of major innovations to its credit, Rigaku and its subsidiary companies are world leaders in the fields of small molecule and protein crystallography, X-ray spectrometry and diffraction, X-ray optics, as well as semiconductor metrology. Rigaku employs over 1,400 people globally.

- Applications
- Configurations
- XRF Method
- No Radioisotopes
- Specifications

Ask for more information about our Rigaku EDXRF elemental analysis products:

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