

Elemental Analyzers



NEX QC MFA
marine fuel
analyzer

(nex-
qc_mfa.php)



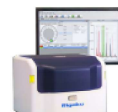
NEX QC series
affordable
EDXRF
analyzers

(nex-qc.php)



NEX QC+
QuantEZ
EDXRF
spectrometer

(nex-
qcusez.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.

Search

[Home \(index.php\)](#) / [Products \(products.php\)](#) / [NEX QC+ QuantEZ](#)

NEX QC+ QuantEZ - Energy Dispersive X-ray Fluorescence

(request.php?id=04)

LEARN MORE ▼

Windows®-based EDXRF for rapid elemental analysis

As a premium low cost benchtop Energy Dispersive X-ray Fluorescence (EDXRF) elemental analyzer, the Rigaku NEX QC+ QuantEZ delivers wide elemental coverage with a easy-to-learn Windows®-based QuantEZ software. Non-destructively analyze from sodium (Na) through uranium (U) in almost any matrix, from solids and alloys to powders, liquids and slurries.

Elemental analysis in the field, plant or lab

Especially designed and engineered for heavy industrial use, whether on the plant floor or in remote field environments, the superior analytical power, flexibility and ease-of-use of the NEX QC+ QuantEZ series add to its broad appeal for an ever expanding range of applications, including exploration, research, bulk RoHS inspection, and education, as well as industrial and production monitoring applications. Whether the need is basic quality control (QC) or its more sophisticated variants - such as analytical quality control (AQC), quality assurance (QA) or statistical process control like Six Sigma - the NEX QC+ QuantEZ series is the reliable choice for routine elemental analysis.



Features:

- Analyze ₁₁Na to ₉₂U non-destructively
- Powerful QuantEZ Windows-based software
- Solids, liquids, alloys, powders and films
- 50kV X-ray tube for wide elemental coverage
- SDD detector for superior resolution
- Multiple automated tube filters
- Unmatched performance-to-price ratio
- Optional RPF-SQX fundamental parameters

50kV X-ray tube and SDD detector

The shuttered 50kV X-ray tube and Peltier cooled Silicon Drift Detector (SDD) detector deliver exceptional short-term repeatability and long-term reproducibility with excellent element peak resolution. This high voltage capability (50 kV), along with multiple automated X-ray tube filters, provides a wide range of XRF applications versatility and low limits-of-detection (LOD).

Options: autosampler, helium and FP

Options include fundamental parameters, automatic sample changer, sample spinner and helium purge for enhanced light element sensitivity.

Specifications

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-
qcusez.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.

- 50kV X-ray tube
- 4W max power
- 6 tube filter positions with shutter

Detection

- High performance SDD detector
- Peltier thermo-electric cooling
- Optimum balance of spectral resolution and max count rate

Sample Chamber

- Large 190 x 165 x 60 mm sample chamber
- Single position 32 mm sample aperture
- Single position 40 mm sample aperture
- Bulk sample aperture 6-position 32 mm automatic sample changer
- 5-position 40 mm automatic sample chamber
- Single position 32 mm sample spinner
- Analysis in air or helium

Environmental Conditions

- Ambient temperature 10-35°C (50-95°F)
- Relative humidity ≤85% non-condensing
- Vibration: undetectable by people
- Free from corrosive gas, dust and particles

Software & Application Packages

- Qualitative and quantitative analysis
- Wide variety of features
- Fundamental parameters (optional)
- Data export function with LIMS compatibility
- User selectable shaping times
- Simple flow bar wizard to create new applications

User Interface

- QuantEZ software
- External PC computer
- External printer
- Data export connections

Spectrometer Data

- Single phase AC 100/220V, 1.4A (50/60 Hz)
- Dimensions: 33.1(W) X 43.2(D) X 37.6(H) cm (13 X 17 X 14.8 inch)
- Weight: 16 kg (35 lbs)

Options

- 6-position 32 mm automatic sample changer
- 5-position 40 mm automatic sample chamber
- Single position 32 mm sample spinner
- Helium purge
- RPF-SQX fundamental parameters

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

LEARN MORE ▼

(request.php ?id=04)