

Neosiskorea Co., Ltd.

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major business	Radiation&Activity Measurement, Radiation&Activity Analysis Industry, Measuring Instruments and Research Equipment		

Neosiskorea Co., Ltd. is a comprehensive radiation/activity measurement solution provider, and has entered into overseas partnerships with Mirion Technologies, Inc. (Canberra) and Pantechnik to supply various radiation measuring instruments, accelerator systems, and radiation detectors. We have technology such as radiation signal processing circuit and system design to provide customized radiation measurement solutions and perform national R&D tasks related to nuclear safety monitoring/safety measures through cooperation with research institutes. In addition, as a KOLAS certification body, we provide radioactivity analysis services(ISO/IEC 17025:2017) for environmental and water and food samples.

Products



NERMS-3NS

Use portable radiation monitor
Description Cylindrical 3-inch NaI(Tl) Scintillator
 Socket type digital MCA application
 Built-in temperature compensation algorithm



NDS (Neutron Detecting System)

Use Multi-channel neutron detection system
Description Various power supply from 5V to 24V
 Signal processing for BF₃ neutron detector
 Application of high-speed communication using TCP/IP



NSC-30D

Use automatic sample exchange system for HPGe
Description Interlocking with Mirion/Ortec's HPGe measurement system
 X-Y-Z position movable robot arm
 Convenient drawer type sample holder

Technical Capacity

» Multi-Channel Analyzer Technology

Scintillator detection system such as NaI(Tl), LaBr₃
 Built-in circuits such as high voltage supply, PreAmp, and Peak Shaping
 Multi-purpose radiation measurement system applicable

» Gamma/neutron measurement technology

Detector customized signal processing circuit development technology such as LaBr₃, NaI, IonChamber, PIPS, BF₃
 Noise reduction filtering technology
 Development of advanced technologies such as simultaneous counting and ToF

» HPGe interlocking system control technology

Mirion company/Ortec company HPGe MCA interlocking control
 Operation of sample movement/rotation system through PLC control
 Implementation of application system such as nuclear fuel rod homogeneity evaluation, radioactive waste measurement, food radioactivity analysis, etc

» Radiation source direction finding system

Radiation source direction detection through 9 NaI(Tl) detectors
 Determination of the direction of the source through the difference in radiation sensitivity for each detector
 Provides quick detection mode and precision detection mode