



MIRION
TECHNOLOGIES



Radiation Monitoring Systems

Safely Harnessing
the Energy of Radiation





Protect What's Next.™

Advancing Radiation Safety.

At Mirion Technologies, we partner with industry leaders to advance radiation safety and empower the next wave of critical innovation. From detection and measurement to monitoring and analysis, we empower innovators across industries with radiation safety technologies that operate with the highest levels of precision. We partner with our customers to build solutions that deliver complete confidence in safe operations and harness the transformative power of safe radiation to move our world forward.



Radiation Monitoring Systems

Radiation safety is a critical challenge in environments where protecting people, safeguarding the plant, maintaining regulatory compliance, and ensuring uninterrupted operations are all essential. For more than 60 years, Mirion Technologies has been a recognized provider of equipment and services for the detection, measurement, and analysis of ionizing radiation. Our expertise spans the full design, manufacturing, and lifecycle support of radiation monitoring solutions. Mirion's Radiation Monitoring Systems have been deployed in most of the world's nuclear reactors since the earliest days of civil nuclear power — from the first reactors through today's Gen III+, Gen IV designs and Small Modular Reactors. The Mirion RAMSYS product line is qualified to IEC and IEEE standards and has been reviewed and accepted by regulatory authorities and nuclear operators across every major market.

Beyond power generation, Mirion RMS solutions are extensively deployed throughout the nuclear fuel cycle — from mining, conversion, enrichment, and fuel fabrication through reprocessing, Mixed Oxide Fuel fabrication and long-term geological storage. Mirion RMS monitors also equip research reactors, particle accelerators, naval propulsion reactors, and a wide range of industrial facilities where reliable radiation monitoring is essential.

LIFECYCLE SERVICES & ENGINEERING SUPPORT

Mirion delivers high-quality safety instrumentation and control solutions for the nuclear industry with local teams and partners across worldwide nuclear markets.

RMS solutions are supported by comprehensive engineering, project, and services spanning the full system lifecycle — from initial concept and system design through qualification, commissioning, and long-term operation.

KNOW-HOW:

- Consulting
- Pre-sales technical support
- System design and engineering
- Manufacturing and testing
- Equipment qualification
- Commissioning
- Training
- After-sales service and technical support
- Obsolescence management



Table of Contents

1	Area Monitoring	8-10
	Dose Rate Measurement	
	Post-Accident Monitoring	
2	Effluent Release Monitoring	11-22
	Alpha & Beta Particulate Monitors	
	Noble Gas Monitors	
	Iodine Monitors	
	Stack monitors (combined monitors)	
	Particulate Iodine Sampler	
	Liquids Monitors	
	Spectrum Analysis Monitors	
	Tritium Monitors	
3	Control & Reactor Protection	23-25
	Boron Meters	
	Steam Generator Leak Rate Monitors	
4	Software	26-27
5	Mirion Technologies Services	28-31

Global Reach

70%

of worldwide reactors
rely on Mirion's RMS

98%

of reactors worldwide
incorporate Mirion
safety solutions

50,000+

RMS monitors
deployed

2,000+

Tritium Monitors
deployed

Standards, Qualifications & Compliance

Our RMS equipment is engineered to meet the most stringent international standard and certification requirements. The RAMSYS system has been developed for normal and specific applications. It complies with most of the more stringent standards, such as those required for safety-related applications in a nuclear power plant.

QUALITY ASSURANCE

RAMSYS systems are developed and manufactured under rigorous quality assurance programs to ensure reliability, traceability, and compliance with nuclear industry requirements.

- ISO 9001
- ASME NQA-1, (as applicable) ISO 19443
- 10 CFR 50 Appendix B for safety-related applications, 10 CFR 21

SYSTEM STANDARDS

RAMSYS system architecture and software development follow internationally recognized nuclear instrumentation standards.

System standards

- IEC 61226
- IEC 61513

Software standards

- IEC 62138
- Applicable IEEE standards for nuclear safety systems

EQUIPMENT & ENVIRONMENTAL QUALIFICATION

To ensure reliable performance under the demanding conditions of nuclear facilities RAMSYS system has been qualified "1E" according to IEEE 323 and IEC 60780 standards, and in particular:

- EMI/RFI: IEC 61000-6-2, IEC 61000-6-4, EPRI TR-102323, RG 1.180, MIL-STD-461E
- Seismic testing: IEEE 344, IEC 60980, IEC 60068-3-3
- Reliability and radiation endurance: MTBF (MIL-HDBK-217F), TID (IEC 60544-2)

NUCLEAR MEASUREMENT STANDARDS

Each RAMSYS monitor is tested in specialized laboratories in accordance with international radiation monitoring standards.

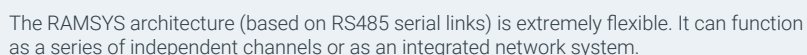
- Gamma and X radiation: IEC 60532, IEC 60846
- Neutron radiation: IEC 61005, IEC 61322
- Aerosols: IEC 60761-1 & 2, IEC 61171
- Gases: IEC 60761-1 & 3
- Iodine: IEC 60761-1 & 4, IEC 61172
- Tritium: IEC 60761-1 & 5
- Liquid monitoring: IEC 60861
- Effluent monitoring: IEC 60768
- Accident and post-accident monitoring: IEC 60951



- Supervision software: Vital® or RAMVISION™
- MASS2™ software for set up and maintenance

- 3 RS485
- 1 RS232
- 5 relays (DPDT)
- 2 analog outputs
- 1 analog input
- 16 digital outputs LDU
- 8 digital outputs RDU
- 16 digital inputs LDU
- 8 digital inputs RDU

- 2 RS485
- 3 relays (SPDT)
- 2 analog outputs
- 1 analog input
- 1 RS232
- 1 optional Ethernet RJ45 (LPDU only)



The RAMSYS system is very modular. It can be composed of different subassemblies, stand alone or integrated in the same network.

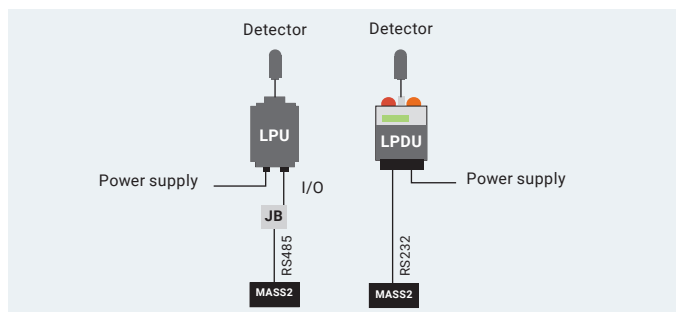
A RDU (Remote Display Unit) and LDU (Local Display Unit) can communicate up to 1,200 m (3,900 ft) through a data link.

A LDU and/or RDU can be used to display measurements, status, alarms of 1 to 8 LP(D)U (Local Processing and Display Units).

An ADU (Alarm Display Unit) can be used to display measurements, status, alarms of 1 to 24 LP(D)U. A second ADU can be added to the network and operate in spy mode: in this configuration, the ADU would have access to all the data from the LP(D)U without disturbing the network.

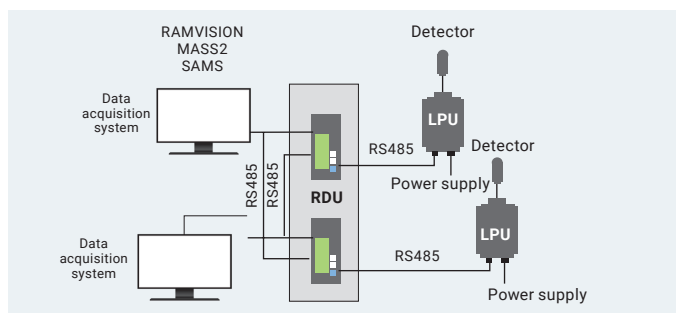


Standard Configuration



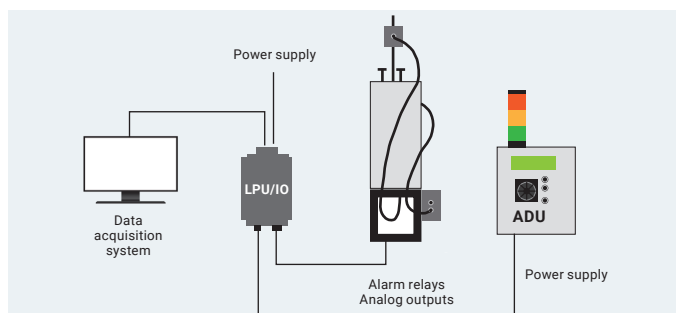
Local processing units can be customized to perform specific tasks, by simply loading application software (MASS2) from a maintenance PC. The simplest way to communicate with a LP(D)U is to hook up a portable computer using one of the RS485 serial links. The second serial link of the LP(D)U can also be used to connect a Local Display Unit LDU or a Remote Display Unit (RDU).

Example of Configuration with Full Redundancy



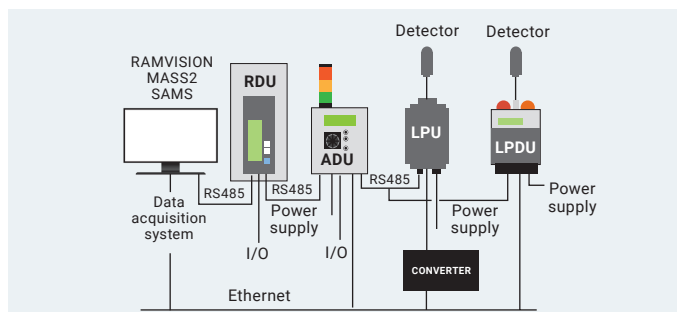
Since there are three RS485 serial links available for each RDU, a separate network can be connected to achieve a redundant configuration.

Compatibility with Existing Monitors



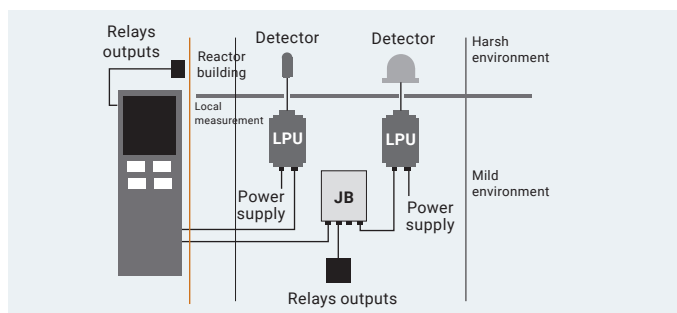
A RAMSYS network can integrate analog and digital signals from existing monitors via the LPU/IO (Input/Output) for data integration, processing control and transmission. Therefore, these monitors can be seen on the network, as any other monitors of the RAMSYS family.

Example of Configuration with Ethernet Option



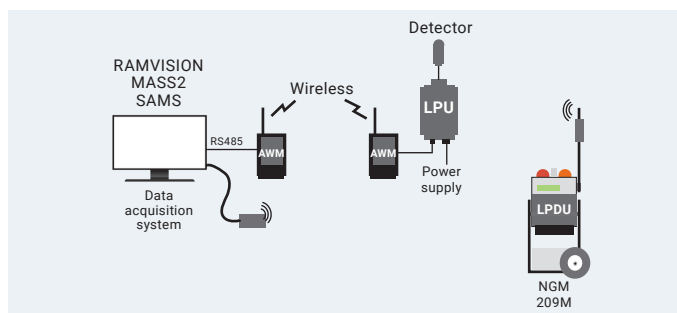
The ADU and the LP(D)U can communicate through an Ethernet link. The RDU and the LPU can also be connected to the Ethernet network thanks to a converter. In both cases, the data from the Ethernet network are the same than those from the RS485 data link.

Example of Configuration for 1E Applications



RAMSYS can be used for safety-related applications. The LP(D) U, LDU, RDU, cabinets, as well as a large range of detection subassemblies are 1E qualified.

Example of Configuration with Wireless Communication Option



A wireless data transfer can be done via a Mirion AWM by WiFi or WRM protocol. Maintenance or On-line support can be provided through operator assistance facilitated by one of Mirion's customer service agreements. The customer agreement is obviously required for this type of assistance. These solutions are ideal for temporary installation (maintenance, investigation tests, complementary measurement channel).

Area Monitoring

Mirion Technologies' area monitoring solutions provide continuous, fixed-location radiation measurement with real-time alarms and centralized data to support regulatory compliance, ALARA objectives, and safe operation across nuclear, medical, research, and industrial facilities.



GIM 201K™

Gamma Area Monitor – Low Range

DOSE RATE MEASUREMENT

Main Function: Radioprotection of workers

GIM 201K is developed to monitor absorbed dose rate in nuclear facilities for personnel exposure. Its design makes it especially suited for operation in accelerators.

Ionization chamber made of high density polyethylene allows the measure of short duration pulsed radiation fields when halogenated and/or material activation is an issue operating conditions.

FEATURES

- Wide measurement range
- High detector TID
- Up to 150 meters (492 ft) between detector and processing unit
- Available with or without display and local signaling
- Suitable for continuous and pulsed radiation fields
- Compact and reliable



GIM 202K™

Gamma Area Monitor – Wide Range

DOSE RATE MEASUREMENT

Main Function: Operational process monitoring

The GIM 202K monitor is part of the RAMSYS product line. It has been developed to monitor gamma dose rate (in Gy/h or rad/h) or ambient equivalent dose rate $\rightarrow H^*(10)$ (in Sv/h or rem/h) in nuclear facilities under mild operating or post-accident conditions.

The very simple concept of its ionization chamber allows this monitor to have a great reliability of prime importance in the safety-related applications.

FEATURES

- Wide measurement range
- Compact and reliable
- Available with or without display and local signaling
- Available under 10 CFR 50 App. B, ASME NQA-1 and IEC 61226 programs for safety-related applications



GIM 203K™

Gamma Area Monitor – Wide Range

POST-ACCIDENT

Main Function: Accident and post-accident control

The GIM 203K monitor is part of the RAMSYS product line and is designed for continuous gamma dose rate monitoring in harsh environments, including containment and reactor buildings during and after mild or severe accidents.

FEATURES

- Wide measurement range
- Compact and reliable
- Available with or without display and local signaling
- 1E qualification and embedded safety-related software
- Certified under 10 CFR 50 App. B, ASME NQA-1, and IEC 61226
- LOCA proof detector and cable
- Very high TID
- Seismic qualification



GIM 204K™

Gamma Area Monitor – Very Wide Range

DOSE RATE MEASUREMENT

Main Function: Radioprotection of workers

The GIM 204K monitor is part of the RAMSYS product line and is designed to monitor dose rate or equivalent dose rate in nuclear facilities for personnel protection and process monitoring. It is available in multiple configurations, including with or without display, integrated or remote detector, dose rate or equivalent dose rate, and fixed or portable versions.

FEATURES

- Wide measurement range
- Compact and reliable
- Available with or without display and local signaling
- 1E qualification and embedded safety-related software
- Available under 10 CFR 50 App. B, ASME NQA-1 and IEC 61226 programs for safety-related applications
- Also available as mobile and portable versions



GIM 205K™

Gamma Area Monitor –
Low Range

DOSE RATE MEASUREMENT

Main Function: Operational process monitoring

The GIM 205K is a RAMSYS monitor designed for dose rate monitoring in nuclear facilities. Its waterproof ionization chamber makes it well suited for sump monitoring, and an optional differential chamber compensates for ambient background.

FEATURES

- Wide measurement range
- Wide detector and cable temperature range
- High detector and cable TID
- Compact and reliable
- Available with or without display and local signaling
- Waterproof detector
- Indoor and outdoor applications



GIM 206K™

Gamma Area Monitor –
Wide Range

POST-ACCIDENT

Main Function: Accident and post-accident control

The GIM 206K monitor is part of the RAMSYS product line and is qualified to measure gamma dose rate during accident and post-accident conditions inside or outside nuclear power plant containment, offering high reliability for safety applications.

FEATURES

- Wide measurement range
- Compact and reliable
- Available with or without display and local signaling
- 1E qualification and embedded safety-related software
- Certified under 10 CFR 50 App. B, ASME NQA-1, and IEC 61226
- LOCA proof detector and cable
- Very high TID
- Seismic qualification



NIM 201K™

Neutron Irradiation
Dose Rate Monitor

DOSE RATE MEASUREMENT

Main Function: Radioprotection of workers

The NIM 201K monitor is part of the RAMSYS product line and provides real-time monitoring of neutron equivalent dose rate. It measures operational dose $H^*(10)$ from neutron fluence in accordance with ICRU 57, using a He^3 proportional counter housed in a polyethylene sphere. It delivers high sensitivity and reliability for use in nuclear reactors, subcritical assemblies, neutron generators, irradiators, and accelerator facilities.

FEATURES

- Detector for indoor and outdoor applications
- $H^*(10)$ measurement
- Available with or without display and local signaling
- Wide and high neutron energy range ($2.5 \cdot 10^{-8}$ to 16 MeV)
- Compact and reliable

Effluent Release Monitoring

Section 2

Mirion Technologies' effluent release monitoring solutions provide continuous, real-time monitoring and management of radioactive releases in liquid and gaseous effluents to ensure environmental safety and regulatory adherence.



ABPM 203M™

Mobile Alpha Beta Particulate Monitor

Main Function: Radioprotection of workers

The ABPM 203M monitor is part of the RAMSYS product line. Its small and lightweight extendable sensor allows this monitor to operate next to the respiratory tract of workers in their area. A dual silicon detector performs the gamma compensation, and a radial fin grid limits the scattering of the alpha particles (static compensation) which facilitates the compensation of the radon and thoron solid progenies by the processing algorithms (dynamic compensation).

FEATURES

- Static and dynamic compensation of the radon and thoron solid progenies
- Dynamic gamma background compensation
- Perfectly adapted for alpha and beta measurement of particulates in environment with high rate of radon
- Real-time alpha spectrometry
- Up to 6 months filter cassette autonomy with moving filter or fixed filter card option



ABPM 205M™

Mobile Alpha Beta Particulate Monitor

Main Function: Effluent release monitoring

The ABPM 205M is part of the RAMSYS product line and is designed to sample air from ventilation ducts or stacks. It uses a double silicon detector with a radial fin grid to limit alpha particle scattering, while dedicated algorithms compensate for radon and thoron progenies. Automatic filter management enables autonomous operation and reduced operating costs.

FEATURES

- Static and dynamic compensation of the radon and thoron solid progenies
- Natural and artificial alpha volumetric activity indication
- Real-time alpha spectrometry
- Up to 6 months filter cassette autonomy
- Can be used as temporary bypass for ABPM 205L™ or ABPM 201S™ when fixed unit is in maintenance with no loss of monitoring capability



ABPM 205L™

Alpha Beta Particulate Monitor

Main Function: Effluent release monitoring

The ABPM 205L monitor is part of the RAMSYS product line and is designed to sample air from ventilation ducts or stacks. It uses a double silicon detector with a radial fin grid to reduce alpha particle scattering, while specific algorithms compensate for radon and thoron progenies. Operating costs are reduced through autonomous operation with advanced automatic filter management.

FEATURES

- Static and dynamic compensation of the radon and thoron solid progenies
- Dynamic gamma background compensation
- Natural and artificial alpha volumetric activity indication
- Real-time alpha spectrometry
- Up to 6 months filter cassette autonomy



ABPM 201S™

Seismic Alpha Beta Particulate Monitor

Main Function: Effluent release monitoring

The ABPM 201S is part of the RAMSYS product line and is designed for air sampling from ventilation ducts or stacks. It uses a dual silicon detector with static and dynamic compensation to correct for gamma radiation and radon/thoron progenies, while autonomous filter management minimizes operating costs.

FEATURES

- Static and dynamic compensation of the radon and thoron solid progenies
- Dynamic gamma background compensation
- Real-time alpha spectrometry
- Up to 6 months filter cassette autonomy
- 1E qualification and embedded safety-related software
- Available under 10 CFR 50 App. B, ASME NQA-1 and IEC 61226 programs for safety-related application



PM 205S™

Beta Particulate Monitor

Main Function: Effluent release monitoring

The PM 205S monitor is part of the RAMSYS product line and is designed for continuous measurement of particulate radioactive gases. Samples are drawn from stacks, buildings, ducts, or work areas, with particulates collected on a filter within the detection unit. It is typically used under normal operating and mild environmental conditions.

The PM 205S can operate as a standalone unit or be combined with iodine and noble gas monitors to form a complete monitoring system.

FEATURES

- 1E qualification and embedded safety-related software
- Available under 10 CFR 50 App. B, ASME NQA-1 and IEC 61226 programs for safety-related application



NGM 209M™

Mobile Noble Gas Monitor – Low Range

Main Function: Radioprotection of workers

The NGM 209M is part of the RAMSYS product line is designed for monitoring air in work areas, discharge stacks, and ventilation ducts. It features a dual silicon diode detector within a 4π/3 cm lead-shielded sample volume, ensuring reliable measurements. One diode measures beta/gamma radiation while the second measures gamma radiation, enabling noble gas beta detection with dynamic gamma background compensation.

FEATURES

- Dynamic gamma radiation compensation with shielded gas detection sensor
- Operate as a stand-alone monitor and/or can be integrated in a RAMSYS network using a wireless network (radio modem) or a RS485 serial link



NGM 202L™

Noble Gas Monitor – Low Range

Main Function: Effluent release monitoring

The NGM 202L monitor is part of the RAMSYS product line. It has been developed to continuously sample and measure the volumetric activity of noble gas and tritium in a radioactive effluent gaseous sample. This monitor can operate as a stand alone device or in conjunction with a particulate monitor (ABPM 201™ monitor), iodine monitor (IM 201™ monitor) and with a high range noble gas monitor (NGM 203™ monitor) to form a very wide range monitoring system.

FEATURES

- Dynamic gamma radiation compensation
- Compact and reliable
- Minimum periodic maintenance
- Tritium measurement capability



NGM 204L™

Noble Gas Monitor – Low Range

Main Function: Effluent release monitoring

The RAMSYS NGM 204L monitor is designed to sample and measure air in discharge stacks, ventilation ducts, and work areas. It uses a dual silicon diode detector in a lead-shielded sample volume to ensure reliable measurements, enabling noble gas beta detection with dynamic gamma compensation.

FEATURES

- Dynamic gamma radiation compensation
- Calculation of the total released activity through a stack, when the flow rate signal is provided
- Compact and reliable
- Minimum periodic maintenance



NGM 204S™

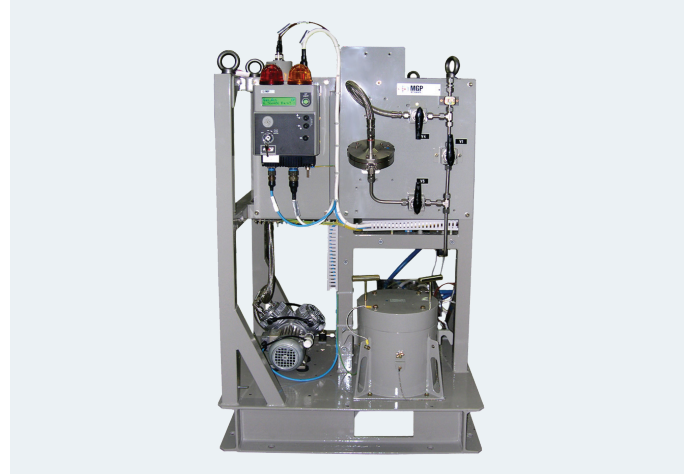
Seismic Noble Gas Monitor – Low Range

Main Function: Effluent release monitoring

The RAMSYS NGM 204S monitor is designed for air sampling and measurement in discharge stacks and ventilation ducts. Its dual silicon diode detector, housed in a $4\pi/5$ cm lead-shielded sample volume, ensures reliable measurements. One diode measures beta/gamma radiation from the sample and ambient gamma background, while the second measures gamma radiation only, enabling noble gas beta measurement with dynamic gamma compensation.

FEATURES

- Dynamic gamma radiation compensation
- Calculation of the total released activity through a stack, when the flow rate signal is provided
- Compact and reliable
- 1E qualification and embedded safety-related software
- RG 1.97 compliance
- Available under 10 CFR 50 App. B, IEC 61226 and ASME NQA-1 programs for safety-related application



NGM 203S™

Seismic Noble Gas Monitor – High range

Main Function: Effluent release monitoring – Post-accident operations

The NGM 203S is part of the RAMSYS product line and is designed for noble gas monitoring in stacks, ducts, and work areas. It uses a flow-through ionization chamber with $4\pi/5$ cm lead shielding and meets USA Regulatory Guide 1.97 requirements for use before, during, and after an accident. It can operate with the PIS 203 sampler and the NGM 204 monitor to provide wide-range monitoring.

FEATURES

- Designed for accident and post-accident conditions
- Durable detector without any electronic or radiation degraded component
- 1E qualification and embedded safety-related software
- RG 1.97 and IEC60951 compliance
- Available under 10 CFR 50 App. B, ASME NQA-1 and IEC 61226 programs for safety-related applications



NGM 216S™

Seismic Beta Noble Gas Monitor - Low Range

Main Function: Effluent release monitoring

The RAMSYS NGM 216S monitor continuously measures beta volumetric activity in radioactive gases. It samples air from stacks, buildings, ducts, or work areas and can operate standalone or as part of an integrated monitoring system with particulate, iodine, and high-range noble gas monitors.

FEATURES

- Compact and reliable
- Calculation of the total released activity through a stack flow rate signal provided
- 1E qualification and embedded safety-related software
- Available under 10 CFR 50 App. B, IEC 61226 and ASME NQA-1 programs for safety-related application



NGM ID

Noble Gas Monitor – with nuclide identification

Main Function: Effluent release monitoring

The NGM ID Monitor is designed for air sampling in ventilation ducts, gaseous treatment systems and stacks of nuclear facilities.

It is equipped with a High Purity Germanium (HPGe) detector integrated into a Marinelli-type sampling chamber, providing high accuracy and reliable gamma spectrometric measurements.

The system enables isotope identification and quantification of volumetric activities of noble gases through gamma spectroscopy.

FEATURES

- HPGe detector
- Two Marinelli volumes: 18.5 liters (BAN), 3 liters (TEG)
- Composite shield (mainly lead)
- Available with electrical cooling or Intelligent Cryo-Cycle™ Hybrid Cryostat



IM 201M™

Mobile Iodine Monitor

Main Function: Effluent release monitoring - Radioprotection of workers

The IM 201M monitor is part of the RAMSYS product line and is designed for continuous measurement of gamma activity from radioactive iodine in air, including molecular and organic (methyl) forms. Air samples from stacks, ventilation ducts, or work areas pass through an activated charcoal cartridge monitored by a nearby NaI scintillation detector, enclosed in 4π/5 cm lead shielding to maximize detection efficiency. A built-in ²⁴¹Am source compensates for temperature and aging drifts, while 1024-channel spectrometry enables precise iodine isotope identification.

FEATURES

- Embedded ²⁴¹Am source for energy spectrum stabilization against temperature changes and aging
- Effluent trapping of both molecular and organic forms of iodine
- 1024-channels spectrum analysis
- Can be used as temporary bypass for IM 201S or IM 201L monitors to maintain full monitoring capability during maintenance



IM 201L™

Iodine Monitor

**Main Function: Effluent release monitoring -
Radioprotection of workers**

The IM 201L monitor is part of the RAMSYS product line and is designed for continuous measurement of gamma volumetric activity from radioactive iodine in air, including molecular and organic (methyl) forms, sampled from stacks, ventilation ducts, or work areas. It uses an NaI scintillation detector positioned close to an activated charcoal cartridge to maximize detection efficiency, with lead shielding for background reduction. A built-in ^{241}Am source compensates for temperature and aging effects, while 1024-channel spectrometry enables identification of radioiodine isotopes.

FEATURES

- Embedded ^{241}Am source for energy spectrum stabilization against temperature changes and aging
- 1024-channel spectrum analysis
- Effluent trapping of both molecular and organic forms of iodine



IM 201S™

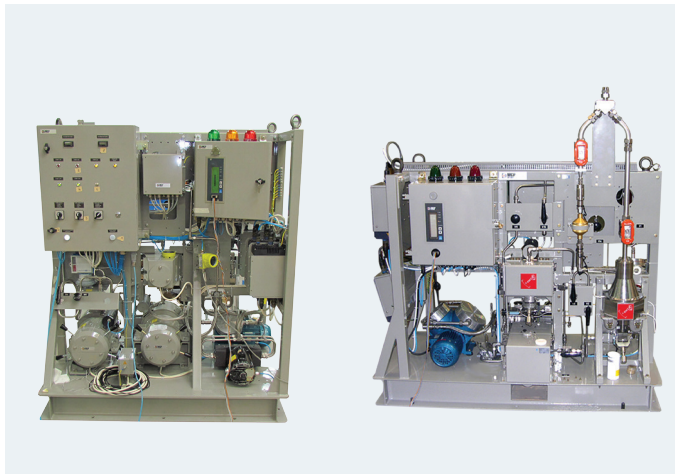
Seismic Iodine Monitor

**Main Function: Effluent release monitoring -
Radioprotection of workers**

The IM 201S monitor is part of the RAMSYS product line. It has been developed to continuously measure the gamma volumetric activity of radioactive iodine sample, in both molecular and organic forms (methyl iodine), contained in air drawn from stacks, ventilation ducts or working areas. An NaI scintillation detector faces the activated charcoal cartridge in which radioactive iodine is trapped. The proximity of the detector and the cartridge, enclosed within a $4\pi/5$ cm ($4\pi/2$ in) lead shielding, serves to optimize detection efficiency. A radioactive ^{241}Am source built into the NaI Scintillator allows compensation of temperature and aging related drifts. The spectrometry capability, based on a 1024-channel spectrum analysis, allows radio iodine isotope localization.

FEATURES

- Embedded ^{241}Am source for energy spectrum stabilization against temperature changes and aging
- 1024-channels spectrum analysis
- 1E qualification and embedded safety-related software
- Available under 10 CFR 50 App. B, IEC61226 and ASME NQA-1 programs for safety-related application



PING™ Family

Seismic Particulate, Iodine and Noble Gas Monitor

Main Function: Effluent release monitoring

The PING Family is a configurable stack monitors allowing customers to tailor the system to their specific monitoring needs by selecting the appropriate measurement channels:

- PING 206S - Particulate, Iodine and Noble Gas Monitor
- PINGM 207S - Particulate, Iodine and Noble Gas Monitor (Based on plastic scintillator technology)
- PNGM 207S - Particulate and Noble Gas Monitor (Based on plastic scintillator technology)
- PNG 206S - Particulate and Noble Gas Monitor
- PIM 206S - Particulate and Iodine Monitor
- NGM 221 S - Low Range and High Range Noble Gases Monitor (NGM 216S and NGM 203S)

FEATURES

- Local Display Unit (LDU) to display the measurements and status of each channel
- Compact skid
- 1E qualification and embedded safety-related software
- Available under 10 CFR 50 App. B, ASME NQA-1 and IEC 61226 programs for safety-related applications



PIS 204L™

Particulate and/or Iodine Sampler

Main Function: Effluent release monitoring

The PIS 204L is part of the RAMSYS product line and is designed for continuous sampling of particulate and iodine (molecular and organic) in air from effluent stacks, ventilation ducts, or work areas in mild environments. It operates at a manually adjusted nominal flow rate and collects radioactive particulates on a paper filter for laboratory qualitative and quantitative analysis.

FEATURES

- Compact and integrated unit
- Manual flow rate control
- Network capability



PIS 205L™

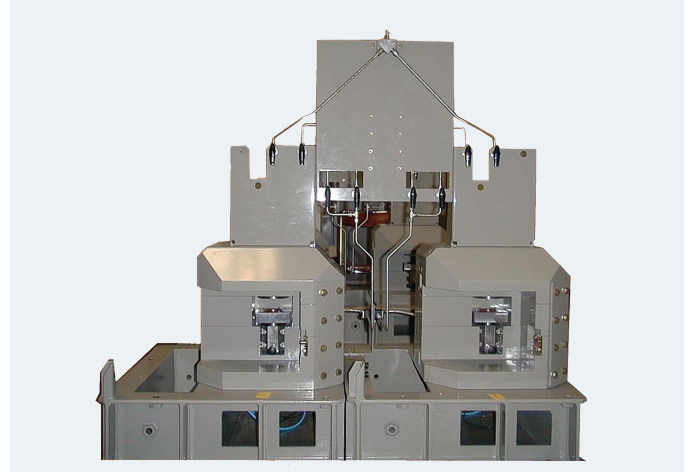
Particulate and/or Iodine Sampler

Main Function: Effluent release monitoring

The PIS 205L sampler is part of the RAMSYS product line and is designed for continuous air sampling of particulate and iodine (molecular and organic forms) in mild environments such as effluent stacks, ventilation ducts, and working areas. This version is optimized for stack or duct applications requiring isokinetic sampling, with collected particulates captured on paper filters for laboratory qualitative and quantitative radioactive analysis.

FEATURES

- Compact and integrated unit
- Dynamic flow rate control
- Isokinetic sampling flow rate control
- Network capability



PIS 203S™

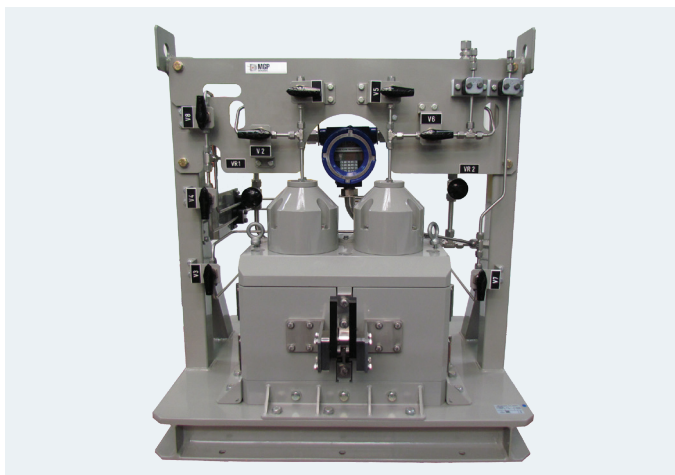
Seismic Shielded Particulate and Iodine Sampler

Main Function: Effluent release monitoring – Accident and post-accident

The PIS 203S sampler is part of the RAMSYS product line and is designed to sample air effluents under accident conditions in compliance with RG 1.97. It is available in single or dual configurations for batch or continuous sampling, with optional heat tracing. Sample flow is measured and totalized, and collected particulates and iodine are analyzed periodically in a laboratory.

FEATURES

- Available for batch or continuous sampling acquisition version (single or dual PIS 203S units)
- Automatic start up in accident configuration
- Heat tracing available when required
- Provided with manipulation tools and lead shielded transport cart
- Heavily shielded for ALARA radiation considerations
- Available under 10 CFR 50 App. B, ASME NQA-1 programs for safety-related application



PIS 208S™

Seismic Particulate and Iodine Sampler

Main Function: Effluent release monitoring

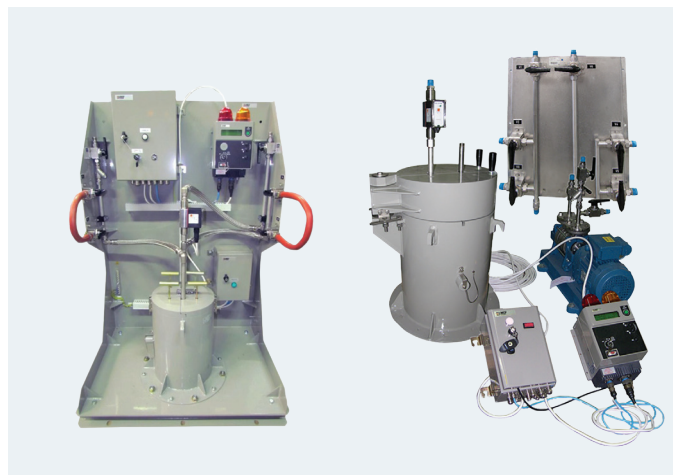
The PIS 208S sampler is an independent skid designed for post-accident release sampling of representative radioactive particulate and iodine. The activity of the samples collected may then be analyzed in a laboratory.

It typically operates in conjunction with a standard particle, iodine, and noble gas monitor (PING) or a regular range noble gas monitor (NGM) and can be activated automatically when alarm thresholds are exceeded.

Usually, a high range noble gas monitor (NGM 203S™) is installed downstream the PIS 208S to measure the noble gas activity during the accident.

FEATURES

- Redundant shielded PIS
- Whole pneumatic driven manually by the operator



LM 211S™ / LM 212S™

Seismic Off-line Gamma Liquid Monitor

Main Function: Barrier leak control - Effluent release monitoring

The LM 211S and 212S monitors are part of the RAMSYS line sample and measure liquid activity from pipes, tanks, or pools.

An integrated ^{241}Am source compensates for temperature-related drift, while 1024-channel spectrometry enables rapid and reliable radioisotope identification during alarms.

It uses a sodium iodide scintillator detector with different lead shielding to gamma-emitting isotopes:

- LM 211S: Version with a $4\pi/5$ cm ($4\pi/2$ in) shielding
- LM 212S: Version with a $4\pi/10$ cm ($4\pi/4$ in) shielding

FEATURES

- Energy spectrum and temperature change compensation
- Available with or without display or local signaling
- Seismically qualified
- Available under 10 CFR 50 App. B, ASME NQA-1 and IEC 61226 programs for safety-related applications



SAM™ Family

Spectrum Analysis Monitors

Online Liquid or Gases Gamma Spectroscopy System

Main Function: Effluent/process monitoring

The SAM Family is designed to detect gamma radiation, providing spectral analysis and isotope identification. These products are designed for continuous, unattended operation and supports a wide range of gamma radiation requirements, commonly specified by regulatory standards and industry guidelines. Four available detector sizes allow the monitors to be configured for different applications while maintaining high sensitivity, a broad measurement range, and fast response times.

- SAM 201K™: NaI 1.25 x 1 in.
- SAM 202K™: NaI 3 x 2 in.
- SAM 203K™: NaI 2 x 2 in.
- SAM 204K™: NaI 3 x 3 in.

FEATURES

- Wide measurement range
- Can be used for application
- Various 4 π shieldings available to adapt to customer piping specifications
- Minimal periodic maintenance
- 1E qualification and embedded safety-related software
- Available under 10 CFR 50 App. B, ASME NQA-1 and IEC 61226 programs for safety-related applications



HT/HC IONIX™

Tritium Samplers

Main Function: Radioprotection

The bubblers are designed for trapping:

- HT ionix: tritium oxide (HTO) as well as gas
- HC ionix: carbon-14 in both gas and organic form

This method has a proven efficiency for radioprotection purposes, environmental surveillance as well as stack release monitoring. These devices have been designed according to the requirements of the NF ISO 20045 (HT) and NF ISO 20041-1 (HC & HT) standards.

FEATURES

- High trapping efficiency:
 - CO₂ > 95%
 - HTO & HT > 95%
- Limited liquid loss allowing long sampling campaigns
- Quick and easy set up
- No outside condensation
- Only one annual maintenance required
- User-friendly



B IONIX™ 3

Portable Tritium Monitor

Main Function: Radioprotection

B ionix portable tritium monitor is a lightweight, rugged, and user-friendly instrument designed for real-time detection of tritium and other beta emitters in gases. It offers high sensitivity, fast response, and intuitive touchscreen operation with customizable alarms and easy USB data export, making it ideal for laboratory, environmental, and decommissioning applications.

FEATURES

- High performance with continuous measurement
Response time from 60 seconds
- Detects tritium from 20 kBq/m³ (0.54 µCi/m³) for reliable and precise monitoring
- User-friendly with a color touch screen and graphical display
- Easy to maintain and commission
- Advanced functionalities including data archiving, remote alarm status display, and data extraction via USB
- Lightweight and rugged



C IONIX™

Installed Tritium Monitor

Main Function: Radioprotection, decommissioning, process control

C ionix tritium monitors offers high sensitivity and reliability for realtime and continuous monitoring of tritium and other beta emitters in gases, ensuring safety and compliance in workplace monitoring, decommissioning, and stack release. It provides real-time alerts and customizable units and associated alarm thresholds, enabling prompt action to address any changes. The system is available in various configurations, with different sizes of ionization chambers to match customer requirement in terms of measurement range.

The Cionix HTO version allows HTO measurement with dynamic Noble Gases and Gamma compensation.

FEATURES

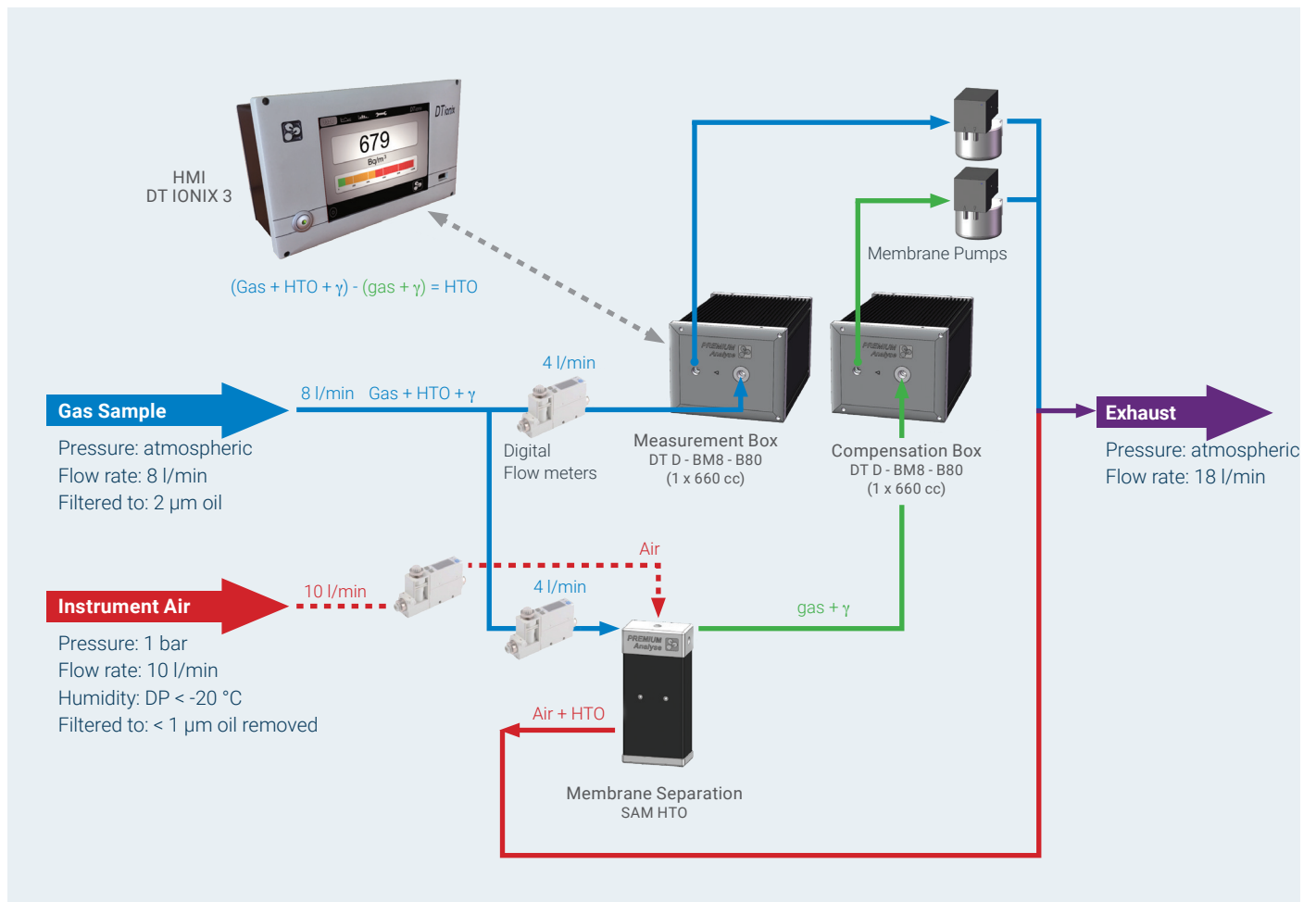
- Self-checking
- High Sensitivity and Reliability
- Automatic γ compensation
- Integrated Light and Sound Alarms
- Real-time alerts
- Accurate and continuous monitoring
- Easy installation, use and maintenance
- Supports remote monitoring and system integration
- Operates in a wide range of temperatures and humidity levels

2 Effluent Release Monitoring



C Ionix HTO

Installed tritium Monitor with dynamic fission products noble gases compensation and gamma compensation



Control & Reactor Protection

Section 3

Mirion Technologies' reactor instrumentation and radiation monitoring systems provide nuclear operators with continuous insight to ensure safe, reliable, and optimized reactor performance.



BM 501™

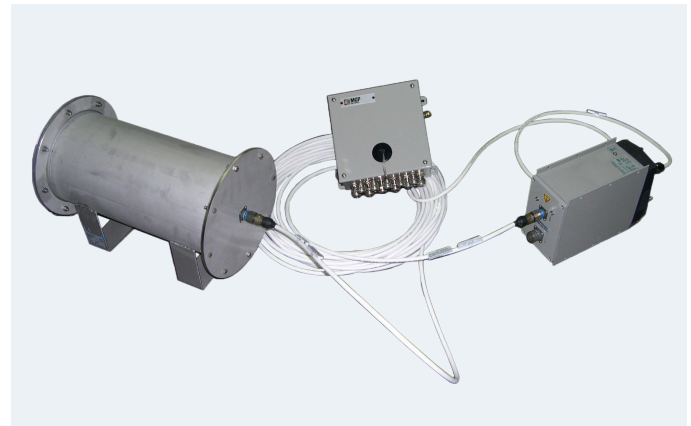
Boron Meter

Main Function: Control of boron concentration

The BM 501 boron meter, continuously measures boron concentration in the coolant of light water nuclear power plants. It operates by detecting neutron absorption by the B-10 isotope, which is proportional to the boron concentration.

FEATURES

- Non-intrusive on-line measurement, directly placed around process pipe
- Can be adapted to pipe diameter
- Category B software according to IEC 62138
- Seismic qualification
- Temperature compensated measurement
- Detection sub-assembly featuring a moderator/shield
- Standard version with two detectors, temperature sensors and signal processing units for redundancy of measurement



SGLM 201K™

Steam Generator Leak Rate Monitor

Main Function: Barrier leak control

The SGLM 201K monitor is part of the RAMSYS product line and is designed to detect and quantify leaks between the primary and secondary circuits of a nuclear steam generator. It detects radioactive nitrogen-16 (^{16}N), produced in the reactor core and carried by steam through tube defects, in the main steam line outside containment. In the 201K version, the NaI(Tl) detector is wrapped in thick thermal insulation to protect it from high temperature gradients.

FEATURES

- ^{16}N monitoring when reactor power exceeds 25%
- Gross gamma energy monitoring when reactor power < 25%
- Spectrum stabilization against temperature and aging drifts
- 16 selectable windows over the range covered
- 1024-channel analysis
- Available with or without display and local signaling
- Seismically qualified
- More than 800 SGLM channels in operation worldwide
- Designed for 1E mild environment conditions



SGLM 202K™

Steam Generator Leak Rate Monitor

Main Function: Barrier leak control

The SGLM 202K monitor, part of the RAMSYS product line, detects and quantifies leaks between the primary and secondary circuits of a nuclear power plant steam generator by measuring radioactive nitrogen (^{16}N) in the main steam line outside containment. In the 202K version, a NaI(Tl) detector is housed in $2\pi/5$ cm (2 in) thick lead shielding to reduce ambient gamma background, with no thermal insulation.

FEATURES

- ^{16}N monitoring when reactor power exceeds 25%
- Gross gamma energy monitoring when reactor power < 25%
- Spectrum stabilization against temperature and aging drifts
- 16 selectable windows over the range covered
- 1024-channel analysis
- Available with or without display and local signaling
- Seismically qualified
- More than 800 SGLM channels in operation worldwide
- Designed for 1E mild environment conditions



SGLM 510™

Steam Generator Leak Rate Monitor

Main Function: Barrier leak control

The SGLM 510 monitor detects steam generator tube leaks by measuring gamma radiation from primary-circuit isotopes in the main steam line. Part of the proTK™ / 260 series, it offers a wide measuring range and Category A safety-qualified processing.

FEATURES

- Gross gamma dose rate monitoring of the main steam line (incl. ^{16}N) for primary circuit leakages
- Local HMI for display of measurement values, monitoring performance and setting parameters (key locked)
- Up to eight types of safety relay outputs for alarm and fault signals and local alarm indication
- proTK signal processing units are modular in hardware and software, highly customizable
- Extensive self-supervision and integrated test functions
- Designed and qualified to fulfill Cat. A functions according to the IEC 61226 and for Class 1E functions

Particulate Monitors			
Product	Detector Type	Range	Application
ABPM 201S	PIPS	Alpha: 10^{-2} to $3.7 \cdot 10^{+6}$ Bq/m ³ ($2.7 \cdot 10^{-13}$ to 10^{-4} μ Ci/cc) Beta: 1 to $3.7 \cdot 10^{+6}$ Bq/m ³ ($2.7 \cdot 10^{-11}$ to 10^{-4} μ Ci/cc)	Seismic Alpha Beta Particulate Monitor
ABPM 203M	PIPS	Alpha: 10^{-2} to $3.7 \cdot 10^{+6}$ Bq/m ³ ($2.7 \cdot 10^{-13}$ to 10^{-4} μ Ci/cc) Beta: 1 to $3.7 \cdot 10^{+6}$ Bq/m ³ ($2.7 \cdot 10^{-11}$ to 10^{-4} μ Ci/cc)	Mobile Alpha Beta Particulate Monitor
ABPM 205L/M	PIPS	Alpha: 10^{-2} to $3.7 \cdot 10^{+6}$ Bq/m ³ ($2.7 \cdot 10^{-13}$ to 10^{-4} μ Ci/cc) Beta: 1 to $3.7 \cdot 10^{+6}$ Bq/m ³ ($2.7 \cdot 10^{-11}$ to 10^{-4} μ Ci/cc)	Alpha Beta Particulate Monitor Light or Mobile version Air Sampling from ventilation ducts or stacks
PM 205S	Plastic scintillator	$3.7 \cdot 10^{-2}$ to $3.7 \cdot 10^{-3}$ Bq/m ³ (10^{-12} to 10^{-7} μ Ci/cc)	Seismic Beta Particulate Monitor
Gamma Monitors			
GIM 201K	Ionization chamber	10^{-6} to 10 Sv/h (10^{-4} to 10^{-3} rem/h)	Low Range Gamma Area Monitor
GIM 202K	Ionization chamber	10^{-7} to 10^{-2} Gy/h or Sv/h (10^{-5} to 10^{-4} rad/h or rem/h)	Wide Range Gamma Area Monitor
GIM 203K	Ionization chamber	10^{-6} to 10^{-3} Sv/h (10^{-4} to 10^{-5} rem/h)	Wide Range Gamma Area Monitor Harsh or post-accident environmental conditions (LOCA)
GIM 204K	Silicon diodes	10^{-6} to 100 Gy/h or Sv/h (10^{-4} to 10^{-4} rad/h or rem/h)	Very Wide Range Gamma Area Monitor
GIM 205K	Ionization chamber	10^{-5} to 10^{-3} Gy/h (10^{-3} to 10^{-5} rad/h)	Medium Range Gamma Area Monitor (Waterproof)
GIM 206K	Ionization chamber	10^{-3} to 10^{-5} Gy/h (10^{-1} to 10^{-7} rad/h)	High Range Gamma Area Monitor Harsh or post-accident environmental conditions (LOCA)
Neutron Monitors			
NIM 201K	He ³ counter	10^{-6} to 0.1 Sv/h (10^{-4} to 10 rem/h)	Neutron dose rate monitor
Iodine Monitors			
IM 201S /L /M	Sodium iodide Scintillator	3.7 to $3.7 \cdot 10^{-6}$ Bq/m ³ (10^{-9} to 10^{-4} μ Ci/cc)	Iodine monitors (Seismic, Light or Mobile)
Noble Gas Monitors			
NGM 209M	PIPS	⁸⁵ Kr: 10^{-4} to $1.4 \cdot 10^{-9}$ Bq/m ³ ($2.7 \cdot 10^{-7}$ to $3.78 \cdot 10^{-2}$ μ Ci/cc) ¹³³ Xe: 10^{-4} to $3.5 \cdot 10^{-9}$ Bq/m ³ ($2.7 \cdot 10^{-7}$ to $9.45 \cdot 10^{-2}$ μ Ci/cc)	Mobile Low Range Noble Gas Monitor
NGM 202L	Ionization chamber	10^{-4} to $3.7 \cdot 10^{-9}$ Bq/m ³ ($2.7 \cdot 10^{-7}$ to 10^{-1} μ Ci/cc)	Low Range Noble Gas Monitor
NGM 203S	Ionization chamber	⁸⁵ Kr: $4 \cdot 10^{-6}$ to 10^{-16} Bq/m ³ ($1.08 \cdot 10^{-4}$ to $2.7 \cdot 10^{-5}$ μ Ci/cc) ¹³³ Xe: 10^{-6} to $3.7 \cdot 10^{-15}$ Bq/m ³ ($2.7 \cdot 10^{-5}$ to 10^{-5} μ Ci/cc)	Seismic High Range Noble Gas Monitor Harsh environment, and post-accident monitoring
NGM 204L/S	PIPS	⁸⁵ Kr: $3.7 \cdot 10^{-4}$ to $3.7 \cdot 10^{-14}$ Bq/m ³ (10^{-6} to 10^{-4} μ Ci/cc) ¹³³ Xe: $3.7 \cdot 10^{-4}$ to $1.8 \cdot 10^{-13}$ Bq/m ³ (10^{-6} to $5 \cdot 10^{-12}$ μ Ci/cc)	Low Range Noble Gas Monitor (Light or Seismic)
NGM 216S	Plastic scintillator	$3.7 \cdot 10^{-3}$ to $3.7 \cdot 10^{-9}$ Bq/m ³ (10^{-7} to 10^{-1} μ Ci/cc)	Seismic Low Range Beta Noble Gas Monitor
NGM ID	HPGe	Typical isotopes: ⁴¹ Ar, ¹³³ Xe, ¹³⁵ Xe, ¹³¹ Xe, ⁸⁵ Kr	Noble Gas Monitor with nuclide identification
Liquid Monitors			
LM 211S	Sodium iodide Scintillator	$3.7 \cdot 10^{-3}$ to $3.7 \cdot 10^{-9}$ Bq/m ³ (10^{-7} to 10^{-1} μ Ci/cc)	Off-line gamma liquid monitor, 4 π /5 cm (4 π /2 in) shielding
LM 212S	Sodium iodide Scintillator	$3.7 \cdot 10^{-3}$ to $3.7 \cdot 10^{-9}$ Bq/m ³ (10^{-7} to 10^{-1} μ Ci/cc)	Off-line gamma liquid monitor, 4 π /10 cm (4 π /4 in) shielding
Particulate and Iodine Samplers			
PIS 203S	N/A	$3.7 \cdot 10^{-7}$ to $3.7 \cdot 10^{-12}$ Bq/m ³ (10^{-3} to 10^{-2} μ Ci/cc)	Shielded Seismic high activity Particulate and Iodine Sampler Accident conditions
PIS 204L	N/A	N/A	Particulate and/or iodine Sampler - Low activity
PIS 205L	N/A	N/A	Particulate and/or iodine Sampler - Low activity, with sampling flow rate control
PIS 208S	N/A	N/A	Shielded Seismic high activity Particulate and Iodine Sampler Accident conditions
Combined Monitors			
PING 206S	Particulate: PIPS Iodine: Sodium iodide Scintillator Noble Gas: PIPS	See ABPM 201S, See IM 201S, See NGM 204S	Seismic Particulate, Iodine and Noble Gas Monitor
PNG 206S	Particulate: PIPS Noble Gas: PIPS	See ABPM 201S, See NGM 204S	Seismic Particulate and Noble Gas Monitor
PIM 206S	Particulate: PIPS Iodine: Sodium iodide Scintillator	See ABPM 201S, See IM 201S	Seismic Particulate and Iodine Monitor
PINGM 207S	Particulate: PIPS Iodine: Sodium iodide Scintillator Noble Gas: Plastic Scintillator	See PM 205S, See IM 201S, See NGM 216S	Seismic Particulate, Iodine and Noble Gas Monitor
PNGM 207S	Particulate: PIPS Noble Gas: Plastic Scintillator	See NGM 216S, see PM 205S	Seismic Particulate and Noble Gas Monitor
NGM 221S	Noble Gas: Plastic Scintillator and Ionization chamber	See NGM 216S, see NGM 203S	Seismic Noble Gas Monitor
Steam Generator Leak Rate Monitors			
SGLM 201K	Sodium iodide Scintillator	Leak rate: 0.1 to 5 000 l/h (0.64 to 31 700 GPD) Gamma: 0.5 to 100 000 cps	Steam generator leak rate monitor, (¹⁴ N) measurement with thermal insulation
SGLM 202K	Sodium iodide Scintillator	Leak rate: 0.1 to 5 000 l/h (0.64 to 31 700 GPD) Gamma: 0.5 to 100 000 cps	Steam generator leak rate monitor, (¹⁴ N) measurement with 2 π /5 cm (2 π /2 in) lead shield
SGLM 510	Ionization chamber	1^{-7} to 1^{-2} Gy/h (10^{-5} to 10^{-4} rad/h)	Steam generator leak rate monitor, cat. A safety class
Gamma Spectrum Analysis Monitors			
SAM 201K, SAM 202K, SAM 203K, SAM 204K	Sodium iodide Scintillator	6 decades between $3.7 \cdot 10^{-12}$ to $3.7 \cdot 10^{-12}$ Bq/m ³ 10^{-8} to 10^{-2} μ Ci/cc)	Spectrum Analysis Monitor with identification of isotopes for On line Liquid or Gases volumetric activity monitoring
Tritium and Carbon-14 Monitors/Samplers			
HT/HC ionix	N/A	N/A	HT ionix: Sampler atmospheric tritium concentration levels in HTO (vapor) and HT (gas) form HC ionix: Sampler atmospheric Carbon-14 concentration levels in organic and gaseous form
B ionix	Ionization chamber	For MES version: 3 kBq/m ³ to 3 TBq/m ³ (82 nCi/m ³ to 82 Ci/m ³) For CMP version: 6 kBq/m ³ to 6 TBq/m ³ (162 nCi/m ³ to 162 Ci/m ³)	Portable Tritium Monitor
C ionix	Ionization chamber	For BLX version: 10 kBq/m ³ to 10 TBq/m ³ (0.27 μ Ci/m ³ to 270 Ci/m ³) For BMX version: 3.2 kBq/m ³ to 3.2 TBq/m ³ (86 nCi/m ³ to 86 Ci/m ³) For EXX version: 2 kBq/m ³ to 2 GBq/m ³ (54 nCi/m ³ to 54 Ci/m ³)	Installed Tritium Monitor
Boronmeter Monitors			
BM 501	Boron deposited proportional counter	Up to 3500 ppm (Boron total)	Boron concentration measurement for process monitoring or dilution accident prevention



POWERED BY  MIRION



Notifications



Devices



Maps



Audit Logging



User Authentication



Device Communications



Roles

Vital[®] Supervision

Centralized, Simplified Supervisory Software for Radiological Instrumentation

A comprehensive supervisory solution designed to enhance the monitoring and management of radiological instrumentation, Vital Supervision simplifies the collection and analysis of data from a wide variety of instruments, ensuring safety and efficiency.

Powering Integrated Operations for Nuclear Energy and Beyond

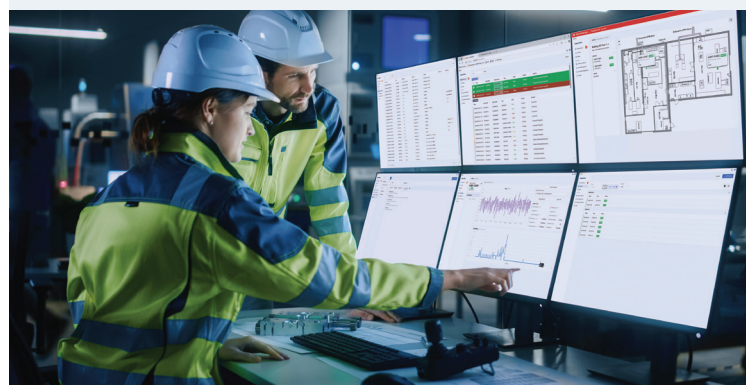
The Vital Platform aims to simplify workflows, reduce redundancies, and enhance productivity for industry stalwarts and start-ups alike.

Easy access to data is key for critical decision-making. In real-time response situations and daily operations, you need solutions that inform smart, quick action.

The Vital Platform serves as a single connected ecosystem for radiation safety instruments and software. It's designed to break down information silos, surface critical insights, integrate seamlessly, and scale with ease.



LEARN MORE:
[MIRION.COM/VITAL](https://mirion.com/vital)



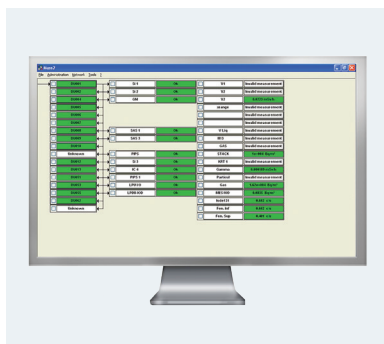
Mirion Technologies' software products empower organizations with intelligent, reliable solutions that enhance radiation safety, streamline compliance, and drive operational confidence.

MASS2™

Set-up and configuration of the instruments belonging to the RAMSYS product line, including:

- LPU
- LPDU
- RDU
- LDU
- ADU

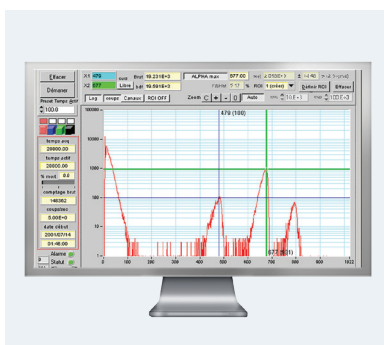
MASS2 is maintenance and set-up software and includes the SAMS spectrum acquisition and manipulation software, and RMSCalib application.



SAMS

SAMS (included in the MASS2) reads and displays spectra memorized by SAS and SPIPS units.

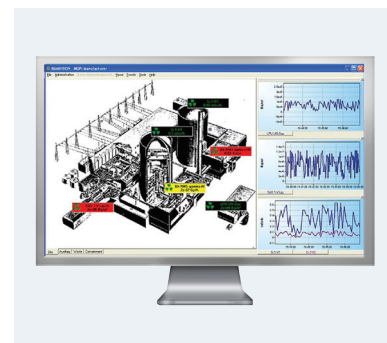
- Spectrum reading based on several criteria
- Graphical spectra display with markers and areas of interest
- Simple spectral operations
- Electronic energy calibration of the connected monitor



RAMVISION™

Monitoring of RAMSYS channels.

- Acquisition and storage of measurements and statuses
- Export of measurements and statuses
- Visualization in real time and/or of historical values
- Forwarding the statuses of the monitors onto digital output card
- SCADA supervision software

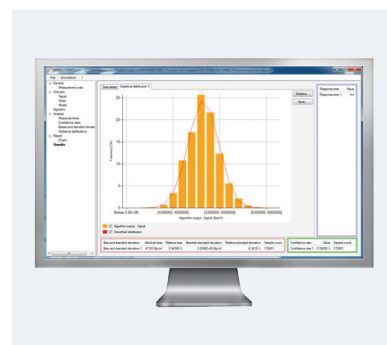


RAMSYS data acquisition system

SIMS2™

RAMSYS product line digital twin software. Allows algorithm response simulation.

- Response time evaluation
- Statistical and distribution evaluation
- Confidence rate evaluation



Simulation software

Mirion Technologies Services

A Service Partner that Delivers

Experience the benefit of a partnership that prioritizes your operational success and grows with you. At Mirion Technologies, we value strong, ongoing customer relationships, providing personalized services to meet your evolving needs.

300+
Service Experts
& Engineers

150+
Annual Training
Classes

GLOBAL EXPERTISE SPANNING:

- Commercial Nuclear Power Plants
- Decommissioning sites
- National Laboratories
- Department of Energy Facilities
- Defense and Security
- Nuclear Fuels and Enrichment Facilities
- Nuclear Science Higher Education
- Research Laboratories
- Radioisotope Production Facilities
- And more

ENSURING PEAK PERFORMANCE WITH CUSTOMIZED EXPERTISE

Designed to enhance your operational efficiency, safety, and reliability, our comprehensive services include implementation guidance, training, maintenance and calibration, and customized consulting. Our skilled engineers are with you from initial setup to ongoing operations, guaranteeing efficient performance of your systems.

DIVERSE EXPERTISE

From nuclear power plants and count rooms to software companies, academia, and commercial and government laboratories, Mirion Technologies Services team proficiencies include:

- Routine system management
- Procedure writing
- Programming
- Data review
- Installation
- Calibration services
- System audits



Get Started

Build Knowledge

Maximize Operations

Optimize Performance



IMPLEMENTATION GUIDANCE

Our team supports safe and accurate installation of new equipment, ensuring that all systems are optimized to meet your business needs and security standards. Our partnership thrives by combining our expertise with your unique application needs.

TRAINING

Our comprehensive training programs empower you to make the most of your tools. More than 100 training classes are held annually in multiple languages and can take place in-person at your facility or a Mirion facility, or virtually in real-time or self-led.

MAINTENANCE & CALIBRATION

From the outset, Mirion teams collaborate with you to install and calibrate your equipment and software and support repair and spare parts to help maintain peak performance with minimal downtime.

CONSULTATION & CUSTOMIZATION

With a focus on proactive engagement, we offer on-site and remote assistance. Our approach draws on rich industry expertise and factory-trained specialist support engineers skilled in turning versatile solutions into highly tailored, site-specific applications.

Mirion Technologies Community

Did you know the Mirion Technologies customer portal includes technical papers, instructions, and knowledge articles? Plus, track support cases, access software licensing, and connect with other users. Email techsupport@mirion.com to get started.

CONNECT WITH COLLEAGUES

Join our user's meetings to engage with the latest technologies, enhance your skills through hands-on training and participate in accredited programs and industry forums. We host an annual Mirion Connect users meeting in the U.S. as well as additional regional meetings globally.

GET EXPERTISE & SUPPORT, WORLDWIDE

Americas

techsupport@mirion.com
1-800-255-6370

BeNeLux

service.cbns@mirion.com

France

hotline-fr@mirion.com
+33 (0)4-90-59-60-60

Germany

service-de@mirion.com
+49-6142-7382-290

Japan

jp-support@mirion.com
+03-5835-5404

UK

uktechsupport@mirion.com
+44-123-583-8300



ALL OTHER REGIONS

Please use the contact form to get in touch and we'll direct your request to the appropriate team.

Empowering Progress Across Continents

Mirion Technologies combines innovative radiation safety technologies with unrivaled expertise, cultivated over decades of collaboration with reactor manufacturers and operators, nuclear fuel facilities, regulators, national labs, nuclear institutes, universities, and national military/security organizations worldwide.

Trust us to provide the solutions and support you need to safeguard your valuable assets and ensure a secure and sustainable future.



Mirion Global Footprint

-  CORPORATE HQ (ATLANTA, GA)
-  MIRION TECHNOLOGIES FOOTPRINT
-  MIRION MEDICAL FOOTPRINT





Protect What's Next™



MIRION
TECHNOLOGIES

Copyright © 2026 Mirion Technologies, Inc. or its affiliates. All rights reserved. Mirion, the Mirion logo, and other trade names of Mirion products listed herein are registered trademarks or trademarks of Mirion Technologies, Inc. or its affiliates in the United States and other countries. Third party trademarks mentioned are the property of their respective owners.

MKTG-3733-A4 - 05/2026

[MIRION.COM](https://www.mirion.com)