

About Radiation Monitoring Systems from TechniData

TechniData has over 20 years of experience in the design and manufacture of gamma probes, monitoring stations, mobile systems and network monitoring center software for the online supervision of gamma radiation in the environment.

We supply both individual components and turnkey systems, as well as associated services such as system design, project management, on-site installation, training and maintenance.

With more than 3,500 gamma monitoring stations currently in service worldwide, TechniData is the world's leading supplier of turnkey radiation monitoring systems.

Discover our extensive experience and place your trust in us, as numerous authorities and institutions around the world already do.

FURTHER INFORMATION

If you would like more information on TechniData's Radiation Monitoring Systems, please contact us using the details below:

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TECHNIDATA
RADIATION MONITORING

AGS421
Autarkic Gamma
Monitoring Station



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The independent Autarkic Gamma Monitoring Station (AGS421) is TechniData's most flexible and cost-effective solution for environmental radiation monitoring networks.

Based on a solar power supply and wireless bi-directional communication, this station type is available as a stationary or mobile monitoring station.



AGS421 – Overview

Stationary station

- Fixed installation on a concrete base or using the base unit
- Whole-year independent solar power supply (battery buffered)



Mobile station

- Fold-out legs for flexible and easy deployment during nuclear emergencies or accidents involving radioactive material
- Battery-based operation for up to 20 days
- Optional solar panel for unlimited operation



Fixed station

- Entire unit installed on wall or pole
- Power supplied via mains power or solar panel



Applications

The independent AGSx21 "Autarkic" Gamma Monitoring Station is TechniData's most flexible environmental radiation monitoring station. It is fully automatic and is controlled remotely using NMC_RAD Network Monitoring Center Software.

As it operates independently from virtually any location, the AGSx21 is typically used for the following applications:



- Radiation monitoring at nuclear facilities
- Remote monitoring of nuclear power plants (ring systems)
- Monitoring the transportation of nuclear material (e.g. fuel)
- Monitoring at storage and repository facilities
- Dismantling of nuclear facilities



- Nationwide radiation monitoring networks
- Civil defense and emergency support

Technical Features

- Wide detection range (10nSv/h ... 10Sv/h)
- Detector redundancy (3 GM detectors in total)
- Solar power or battery-based operation
- Wireless bi-directional data communication via GSM (SMS as BACKUP)
- Temperature operation range (-40°C ... +60°C)
- Robust and weatherproof design (IP68)

Options

- AGS421 with GPRS communication
- AGS521 with bi-directional RADIO communication
- AGS621 with digital radio communication based on TETRA
- GPS receiver providing AUTOMATIC registration of new positions in the NMC_RAD monitoring center
- Rain detector (integrated in sensor head)
- Solar panel as extension for mobile station

Benefits

Independent (autarkic) solution due to

- Solar power supply
- Wireless communications

Remote control and configuration

- Based on bi-directional data links
- Via NMC_RAD network monitoring center

Low cost of ownership due to

- Autonomous operation
- Automatic system polling, alarming and data processing
- Remote diagnosis and configuration capability
- Minimized service expenses due to self-supervision and high product quality