

## 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

**MobRad**  
Mobile Radiation  
Detection &  
Survey System



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No matter where a source of radiation may be hidden – the MobRad online system can track it down easily.

Explore TechniData's flexible solution for the fast and accurate detection and localization of radiation contamination in the environment.



# MobRad – Overview

## Radiation monitoring networks deliver an overall picture of a large-scale situation. But what about the spots in between?

Monitoring radiation contamination in the environment requires increasingly flexible solutions. These days, mobility is crucial when it comes to quickly and accurately detecting hazards.

In modern radiation monitoring, it is essential that operators can look beyond the limits of existing networks and focus on specific sites.

To aid in the decision-making process, it is important that actual readings are both available on site and can be delivered to remote monitoring centers via wireless communication.

Growing public awareness and major security concerns mean that reliable readings and clearly arranged graphical presentations are key requirements.



### MobRad Online Monitoring System:

- Real-time data transmission via GPRS
- Remote control of mobile systems
- GIS- and GPS-based data presentation
- Centralized vehicle and track management



## MobRad Versions

Two different versions are available:

- 1) Notebook-based system (integrated in the MobRad-Box) for flexible use in any monitoring vehicle (12V vehicle power supply).
- 2) PDA-based light and compact system for manual use in the field (portable system with battery-based power supply).

All MobRad systems can be operated either as an OFFLINE system (locally, stand alone) or as an ONLINE system providing remote control from the monitoring center and real-time data transmission from connected vehicles, i.e. mobile MobRad systems.



- Notebook-based MobRad system (integrated box)



- PDA-based MobRad (portable system)



- Highly sensitive gamma dose rate detector HGD101 (used by both systems)

## Technical Features

- Extremely compact portable system (PDA based) or MobRad box for vehicle use (laptop based)
- Real-time radiation monitoring supported by GIS- and GPS-based software applications
- Highly sensitive gamma detector HGD101 (50nSv/h...10Sv/h)
- Easy-to-use and remotely controllable system
- Local or remote data storage and exchange and data export
- OFFLINE stand-alone monitoring system
- ONLINE monitoring system with remote control and wireless data transmission to the monitoring center

## Options

- Intelligent Gamma Probe IGS510 for outside application of monitoring vehicles (weatherproof)
- Integration of high-volume plastic detectors or spectroscopic probes
- Integration of additional detectors for comprehensive CBRN surveillance such as neutron, biological or chemical sensors

## Benefits

MobRad online systems offer numerous benefits:

- Centralized data administration of mobile measurements
- Real-time data transmission for enhanced emergency support
- Remote control of mobile systems in the field