



AccuRad™ PRD-SIM Kit

Sourceless training kit for the AccuRad PRD

Train for realistic radiation or nuclear detection and response, without the burden and hazards of real radioactive sources.



Sourceless training utilizes all the AccuRad PRD features:

- Search trend
- Directional radar
- Low-High-Danger dose rates
- Audible, Visual, and Vibration alarming

From hidden source search to nuclear accident response: The radioactive-free source **RadSIM (included)** provides the full range of radiation levels covered by the AccuRad PRD, from background levels to nuclear event levels.

Supports all kinds of radiation spread patterns: when integrated with PlumeSIM (optional extension), the AccuRad-SIM also responds to different patterns: dynamic plume, deposition, and hotspots.

The AccuRad-SIM perfectly mimics the AccuRad ergonomics and behavior, with just a slightly increased thickness. As with the regular device, trainees can experience covert hands-free detection and monitoring (worn on the belt or on the vest with a top screen view). Trainees can also experience handheld localization of sources or hotspots using the distinct buttons and the very large front screen.

Train the whole organization, from field monitoring teams to radiation safety authorities and operations management **to seamlessly communicate during a real world event,** with the AccuRad App:

- Alignment using the **Reachback** capabilities (email, SMS, others including pictures and comments)
- Using **SpirVIEW Mobile™** situational awareness software with real-time follow-up, alarm analysis, and mapping.
- Using **RadResponder/CBRNResponder**

Train the trainer guidance included. The kits include a Quick Guide with training scenarios for the trainer, describing different situations, implementation details on how to set the equipment, and the training objectives for the trainees.

Develop the collaborative skills of your team. The kit includes several AccuRad-SIM units and one source, so that all trainees can train simultaneously. The kits can be combined to offer more advanced scenarios for larger field monitoring teams.

PlumeSIM and RadSIM are trademarks of Argon Electronics.

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Why sourceless training?

Using real radiation sources has value for your training, but the legislation and administration associated with storing, transporting and using live sources or dispersing radioactive contaminant can be challenging, and the cost of their disposal and replacement is very high.

Sourceless training is utilizing all the key AccuRad PRD features, over the whole range of dose rates and total doses of detection and measurements.

RADSIM GS4-A

This “live source” is visible by the AccuRad-SIM from up to 200 ft (60 m) allowing realistic high activity source scenarios. Just turn it on and set the activity level with the 0-9 rotary switch. The AccuRad unit will respond consistently with the inverse square law distance, plus the shielding effects, with a fast response time.

The **RadSIM controller app** (Android) allows the trainer to set the dose rate at a specified distance for each intensity level (0-9).

AccuRad-SIM Kits

- 1 RadSIM GS4-A source with charger
- 4 or 6 AccuRad-SIM units
- Quick Guide with training scenarios
- Rugged transportation case



RadSIM GS4-A



AccuRad-SIM

Apps

- AccuRad App available on Google Play store and the Apple Store. The app enables RadResponder/CBRNResponder, Reachback, SpirVIEW Mobile, and AccuRad training.
- AccuRad Management Center for Windows available on mirion.com
- RadSIM controller available on Google Play store

Certifications

- CE
- FCC

Options and related products

- PlumeSIM kits
- SpirVIEW Mobile software
- Regular AccuRad PRD



PlumeSIM (optional extension)

PlumeSIM creates large scale CBRNe response exercises using plume, deposition, and hotspot models. The trainer creates real-life scenarios and can execute them with varying conditions such as wind and rain.

The trainees can do **table-top training** using a gamepad where they can move a virtual version of themselves (icon) on a map and get used to the readings of the AccuRad-SIM at this location.



The trainee can do **field exercises**, equipped with a player and the AccuRad-SIM. For example, they could train to secure a perimeter in a simulated high-radiation environment.



The PlumeSIM system provides live supervision of the trainees, as well as replay capabilities for debriefing or capability assessment.

