



# DETECTION

**ARGON™**

World leaders in CBRN/  
HazMat training systems

## SVG-2 SIM

Argon's SVG-2 SIM simulation training system for the Thermo SVG-2 RadiacMeter

**The SVG-2 SIM survey meter simulator and simulation Alpha, Beta, Gamma probe provides you with a training capability that enables your students to experience every operational feature of the real Thermo Fischer Scientific SVG-2 without the need to utilize an ionizing gamma or beta radiation source.**

The SVG-2 SIM responds to safe electronic sources that simulate ionizing radiation, removing regulatory, environmental, and health and safety concerns for you and your students. You can use the simulation sources anywhere, including within public buildings. SVG-2 SIM is fully compatible with the Argon PlumeSIM system for wide area tactical field and nuclear emergency response exercises, enabling you to ensure everyone knows what to do when that emergency comes. Dosimeter and spectrometer simulators are also available.

### SVG-2 SIM simulates:

- Dose and Dose rate indications.
- Analogue and digital backlit display.
- Numeric display to show either the dose rate or the dose.
- The status of the meter and alarm threshold settings.

### Enables you to provide high quality survey meter training, developing skills in:

- Survey and location of radioactive sources
- Isodose rate mapping
- Shielding
- Safe demarcation
- Inverse Square Law response ( $1/r^2$ )
- Dose and Dose rate management
- Effects of different types of shielding such as brick, wood and glass.



### Training is easy with SVG-2 SIM

SVG-2 SIM permits radiological instructors to safely teach critical search, reconnaissance, survey and location skills as well as a practical understanding of inverse square law, isodose rate mapping, shielding and safe demarcation. The SVG-2 SIM receives encoded signals representing specific beta/gamma radionuclides from deployed electronic simulation sources or PlumeSIM, and with the simulated external Alpha, Beta, Gamma probe you can carry out both survey, contamination monitoring and decontamination exercises.



**SVG-2 Alpha, Beta, Gamma  
Simulation Probe**



**Simulation Alpha, Beta Gamma probe  
responding to safe sources.**



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## **Training in the use of complementary equipment types with common simulation sources**

Argon simulation systems enable realistic simultaneous training in the use of different types of radiation detection instruments. SVG-2 SIM is compatible with other dosimeter, survey/radiac meter, and spectrometer simulators manufactured by Argon Electronics, permitting multi-detector, multi-isotope training to take place within the same scenario. You can even optionally include hazardous substance releases including chemical warfare agents to drive HazMat / CW simulation detectors.

## **PlumeSIM – Simulation of wide area tactical and emergency response field exercises**

The SVG-2 SIM is also compatible with Argon's PlumeSIM system. PlumeSIM enables real time instrumented wide area operational

training exercises to be conducted using single or multiple simulation device types that respond in the real world to multiple virtual radiation or chemical hazard release events. For further information on PlumeSIM please see our separate literature for details of this innovative system or contact us for your free evaluation copy of PlumeSIM.

## **Cost effective realistic training for your teams**

SVG-2 SIM operates using the same battery or external power supply as the real instrument. The simulators require no preventative maintenance or recalibration, reducing the cost of ownership. Expensive damage to real detectors is avoided which means operational readiness is maintained.



PlumeSIM compatibility enables you to provide Table Top and Live field exercises for plume release and radiological dispersal device response training.