

# ARGON™

World leaders in CBRN/  
HazMat training systems

## RDS-200-SIM

Argon's RDS-200-SIM and GMP-11-SIM simulation training systems for the RDS-200 and GMP-11



**The RDS-200-SIM survey meter simulator provides you with a training device that enables your students to experience every operational feature of the real Mirion RADOS RDS-200 without the need to utilize an ionizing radiation source.**

RDS-200-SIM responds to safe electronic sources that simulate ionizing radiation and realistically simulate shielding and inverse square law, removing regulatory, administrative, environmental, and health and safety concerns for you and your students. You can use the simulation sources anywhere, including within public buildings. RDS-200-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.

**RDS-200-SIM enables you to provide high quality survey meter training and simulates:**

- Logarithmic analogue bar graph display.
- Numeric display to show the dose rate, the dose, and the number of pulses.
- The status of the meter and alarm threshold settings.
- Dose rate and Dose.
- Inverse square law ( $1/r^2$ ) response to a source.
- The shielding effect of different material types.

### Training with RDS-200-SIM and GMP-11-SIM

RDS-200-SIM permits radiological incident instructors to safely teach critical search, reconnaissance, survey and location skills as well as a practical understanding of inverse square law source, isodose rate mapping, shielding and safe demarcation. Whilst the RDS-200-SIM receives an encoded signal representing specific gamma emitting radionuclides from deployed electronic simulation sources, the compatible GMP-11-SIM responds to fluorescent powder to a distance of up to 60 metres (195 feet) line of sight, and liquid materials that simulate beta sources for training in contamination, cross-contamination and decontamination.

**GMP-11-SIM connection is automatically detected by the RDS-200-SIM.**



# RDS-200-SIM

[www.argonelectronics.com](http://www.argonelectronics.com)

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## RDS-200-SIM is compatible with the:

- GMP-11-SIM probe for simulated beta detection.
- Argon PlumeSIM wide area exercise system

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

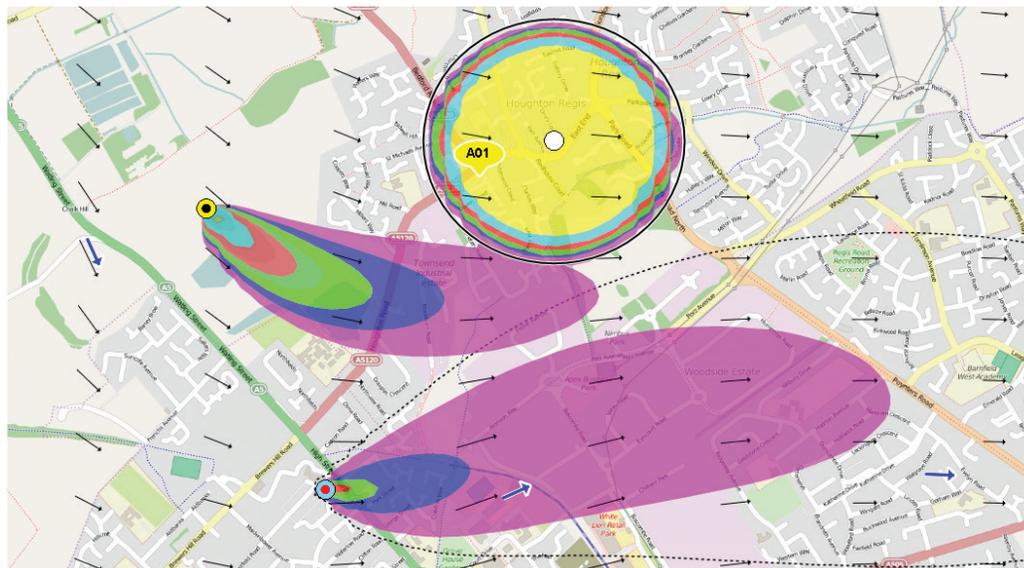
Argon simulation systems enable realistic simultaneous training in the use of different types of radiation detection instruments. RDS-200-SIM is compatible with other dosimeter, survey/radiac meter, and spectrometer simulators manufactured by Argon Electronics, permitting multi-detector, multi-isotope 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 RDS-200-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

RDS-200-SIM works on the same battery supply as the real dosimeter, which also powers the GMP-11-SIM when connected. 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.

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