

ADM-300-SIM

Argon's ADM-300-SIM simulation training system for the ADM-300A (V1B) radiation survey meter



The ADM-300-SIM survey meter simulator provides you with a training device that enables your students to experience every operational feature of the real Mirion/Canberra ADM-300A (V1B) without the need to utilize an ionizing gamma or beta radiation source.

The ADM-300-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. ADM-300-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.

ADM-300-SIM simulates:

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

Training with ADM-300-SIM

ADM-300-SIM permits radiological instructors to safely teach critical search, reconnaissance, survey and location skills as well as a practical understanding of inverse square law, isodoserate mapping, shielding and safe demarcation. The ADM-300-SIM receives encoded signals representing specific beta/gamma radionuclides from deployed electronic simulation sources or PlumeSIM, and with the simulated beta window cover open the simulator correctly responds to the beta component while versatile magnet packs simulation beta sources facilitate training in contamination and decontamination.



Instructor Remote Controller



Simulation Beta source for contamination monitoring and decontamination training.

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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. ADM-300-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.

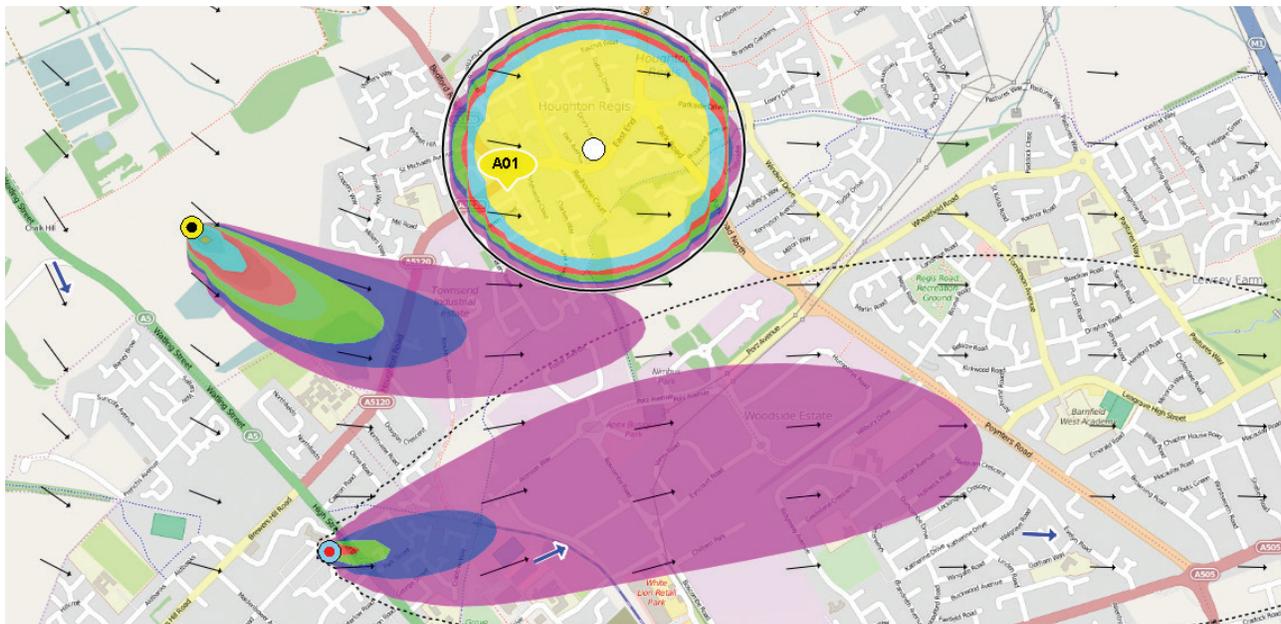
PlumeSIM – Simulation of wide area tactical and emergency response field exercises

The ADM-300-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

ADM-300-SIM works on the same battery 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.

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