

RADSIM SS3

Argon's RADSIM SS3 Gamma Survey simulation training system



The RADSIM SS3 generic survey meter simulator enables your students to experience the typical operational functionality of real radiation survey meters without the need to utilize ionizing radiation sources.

The RADSIM SS3 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. RADSIM SS3 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.

RADSIM SS3:

- Responds to simulation ionising radiation with an easy-to-read digital numeric (Sv/h or Rem/h) and bar LCD display

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
- Effects of different types of shielding such as brick, wood and glass.

Local independent training

For individual or group training in a restricted environment the RADSIM SS3 receives an encoded signal representing specific radionuclides from deployed electronic simulation sources, and transmits simulated radiological activity to the simulator.

Complete with sounder and backlighting features, and a low battery alarm, the RADSIM SS3 accurately replicates the functions and display of a real survey meter in a safe and practical manner providing your students with perfect instrument use training.

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. RADSIM SS3 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.

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

The RADSIM SS3 is compatible with Argon's PlumeSIM system. PlumeSIM enables real time instrumented wide area operational training exercises to be conducted using single or multiple simulators 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

RADSIM SS3 is supplied with a rechargeable battery and charger unit. The simulator requires no preventative maintenance or recalibration, and spares are minimised to reduce cost of ownership. Expensive damage to real detectors is avoided which means operational readiness is maintained.