

## SAM940-SIM-Nal-P

Argon's SAM940-SIM-Nal-P simulation training system for the SAM940 spectrometer



The SAM940-SIM-Nal-P spectrometer simulation probe provides you with a training device that enables your students to experience every operational feature of the real BNC/PGT handheld Radiation Isotope Identifier without the need to utilize an ionizing radiation source.

The SAM940-SIM-Nal-P simulation probe replaces the real NaI detector and utilises the Thermo display and electronics component of the SAM940 system for either attached integral monitoring or dismantled extension search. SAM940-SIM-Nal-P responds to safe, user programmable electronic sources that simulate gamma radiation and specific nuclear isotopes including SNM (Special Nuclear Materials), removing regulatory, environmental, and health and safety concerns for you and your students. You can use the simulation sources anywhere, including within public buildings. SAM940-SIM-Nal-P 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.

SAM940-SIM-Nal-P enables you to provide high quality spectrometer training and simulates:

- Specific nuclear isotope identification.
- Real time gamma source dose rate.
- All of the SAM940 display screen options.
- The status of the meter including visual and audible alarms.

SAM940-SIM-Nal-P is compatible with the:

- SAM940 display and electronics component.
- Argon PlumeSIM wide area exercise system



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## Training with SAM940-SIM-Nal-P

SAM940-SIM-Nal-P permits radiological incident instructors to safely teach critical search, reconnaissance, survey/location and isotope/SNM identification skills, as well as a practical understanding of inverse square law, isodose rate mapping, shielding and safe demarcation. The SAM940-SIM-Nal-P responds to an encoded signal representing specific gamma emitting radionuclides from deployed electronic simulation sources at a range of up to 30m line of sight.

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

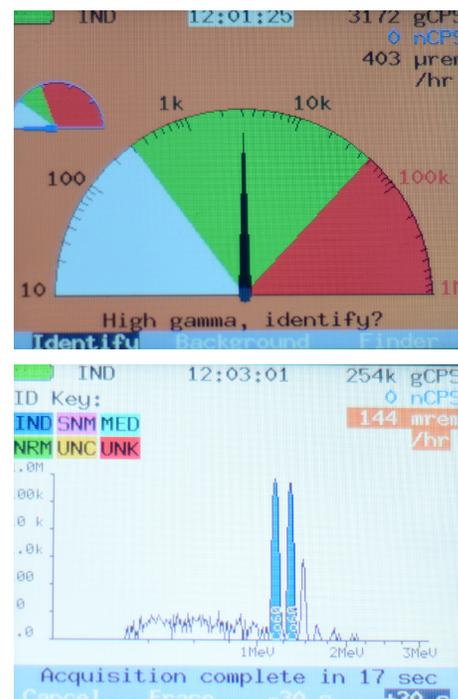
Argon simulation systems enable realistic simultaneous training in the use of different types of radiation detection instruments. SAM940-SIM-Nal-P is compatible with other dosimeter, survey/radiac meter, and spectrometer simulators manufactured by Argon Electronics, permitting multi-detector, multi-isotope 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 SAM940-SIM-Nal-P 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

The SAM940-SIM-Nal-P probe is powered by a separate integral rechargeable battery supply for extended training opportunity. The simulator requires no preventative maintenance or recalibration, reducing the cost of ownership. Expensive damage to real detectors is avoided which means operational readiness is maintained.



SAM940-SIM-Nal-P simulates the display of alarms and identification of nuclear isotopes

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