

AP4C-SIM

Argon's AP4C-SIM simulation training system for the Proengin AP4C chemical hazard detector



The AP4C-SIM detector simulator responds to electronic sources that simulate chemical vapours, toxic industrial substances or false positives.

You no longer need to use simulants that could harm the environment, saturate training spaces, or create health and safety risks for instructors and students. Training sources can be deployed anywhere, including inside public buildings. Most scenarios can be set up in less than ten minutes and because you control the sources, your scenario will not have changed when it is time for the exercise. The AP4C-SIM is fully compatible with the Argon PlumeSIM system for instrumented collective wide area field exercise and table-top CBRN training.

AP4C-SIM can simulate:

- CWAs, TICs and False Positives
- Contamination, decontamination and persistency
- Effect of wind direction and temperature
- Confidence testing and use of **S4PE-SIM** for sampling
- Battery and hydrogen cell depletion
- Compatible with PlumeSIM

S4PE-SIM's realistic sampling features:

- Confidence testing and surface sampling.
- Collection of surface samples with warm-up cycles.
- Simulates contamination, decontamination, and persistence scenarios.

Instructor remote control

Take full command of your training exercises with an intuitive instructor remote. This powerful feature lets you decide the effectiveness of decontamination drills by allowing you to control the remaining contamination. This means you can use water for decontamination avoiding damage to your assets and the environment. Instantly reset scenarios for repeated exercises, and use the same controller to simulate variables such as persistency, wind and temperature, effects, component depletion, or unit failure.



Confidence testing using the S4PE-SIM

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

Argon simulation systems enable realistic simultaneous training in the use of detection instruments that work on different technology principles. AP4C-SIM is compatible with other simulators manufactured by Argon Electronics, including RAID-M100 SIM, LCD3.3-SIM and CAMSIM, permitting multi detector, multi substance training to take place within the same training scenario. The electronic simulation sources can represent false positives, as well as, chemical warfare (CW) agents and toxic industrial chemicals (TICs), enabling the AP4C-SIMs appearance and functions to be accurately replicated in a safe, practical manner.

Student performance reporting for after action review

Students must set up and operate the detector simulator according to the protocols used for the actual detector. If procedures are not properly followed, the simulator logs all errors. The instructor can then access a comprehensive, definitive performance report at any point during or after the exercise.

Cost effective training

Requires no ionizing radiation, calibration, or preventative maintenance. Operates with electronic simulation sources that are safe and environmentally friendly.



Argon Electronics (UK) Ltd.,

16 Ribocon Way,
Progress Business Park,
Luton, Bedfordshire
LU4 9UR
U.K.

T: [UK] +44 1582 491616

T: [USA]: +1 571 210 1258

E: sales@argonelectronics.com

www.argonelectronics.com

