

ARGON™

World leaders in CBRN/
HazMat training systems

HAPSIM-P

HAPSIM-P offers the following features and benefits to users of the HAPSITE® GC/MS range.

Jointly developed by Argon Electronics and INFICON, the HAPSIM-P simulation probe replaces the real probe used with HAPSITE® family of GC/MS chemical identification instruments.

This enables the instrument to respond to safe, environmentally friendly electronic sources that simulate chemical vapors, toxic industrial compounds or substances that may cause false positive readings on other detectors. You can use the sources anywhere, including within 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. HAPSIM-P is fully compatible with the Argon Electronics PlumeSIM system for instrumented collective classroom and field exercise training. HAPSIM-P is the perfect way to reduce operator skill fade and training costs arising from damage to the HAPSITE® and consumable use.



GC/MS simulation

The simulation probe enables users to simulate MS only and full GC/MS modes of operation. The instructor is able to select from a group of about 66 of the NIST library compounds and any pre recorded Chromatogram that the user is able to produce for themselves or import from an associate organisation.



The HAPSIM-P probe works with the real HAPSITE® GC/MS.

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Environmentally friendly simulation sources

Electronic simulation sources enable the system to be used in any environment, including internal public areas, for training in response to modern threats without any risk of harm to personnel, the public, facilities and equipment. You can simulate contamination of people, material and ground areas. A powerful instructor remote control permits simulation of partial and full decontamination, venting and persistency of vapours. Special conditions can also be simulated to train users in HAPSITE® diagnostics. Field and classroom based wide area plume and downwind stack monitoring training can be implemented by using HAPSIM-P with the optional Argon Electronics PlumeSIM system.

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

Because the simulation technology is 100% compatible with other chemical detector simulators produced by Argon the HAPSITE® student can join users of other simulators in a common exercise. For example, if a CAMSIM or AP4C-SIM 'nerve agent' source is deployed CAMSIM and AP4C-SIM will detect and indicate this source as 'G'. However, the HAPSITE® with the HAPSIM-P probe will be more specific, indicating the source as Sarin, Soman, 'G' simulant, or a CAM / AP4C interferent depending upon how the instructor sets the exercise.

Error reporting for after action review

All trainee actions are recorded within the HAPSITE® data log. This permits operator mistakes to be analysed, enabling improvements in HAPSITE® use to be identified.

Cost effective training

When the HAPSIM-P is connected to HAPSITE® in place of the real probe Consumable use (standard, carrier gas and NEG pump) is eliminated, resulting in considerable cost savings for users. HAPSIM-P makes training in the use of HAPSITE® significantly easier, whilst virtually eliminating the possibility of expensive damage to the HAPSITE® and helping ensure the operational readiness of personnel and equipment for real emergencies.



HAPSIM-P responds to Long Range Vapour Source simulators...

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