

RAID-M100-SIM

Argon's RAID-M100-SIM training simulator for the RAID-M100



RAID-M100-SIM is a dedicated simulation instrument for the Bruker Daltonics RAID-M100 detector that responds to electronic sources that can simulate chemical vapours, toxic industrial substances or false positives.

This means you no longer need to use simulants which can harm the environment, saturate the training area or pose potential health and safety risks to you and your students. 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. RAID-M100-SIM is fully compatible with Argon's PlumeSIM system for instrumented collective wide area field exercise and table-top CBRN training.

RAID-M100-SIM accurately replicates the special features of the real detector providing you with a unique combination of features for training in the correct use of the Bruker RAID M100 in virtually any scenario and environment.

Raid M100 Simulator features include:

- Identification of simulated CWA and TICs.
- No ionizing radiation source.
- Replacement of sieve pack and filter.
- Partial and full decontamination of detected simulate substance.
- Persistent and non-persistent CWAs
- Responds to safe, environmentally friendly electronic simulation CWA/HazMat sources.
- Simulates actual identification of detected substances.
- Simulates contamination of probe during contamination monitoring.
- Monitoring and reporting of user errors such as missed confidence test, failure to remove inlet and exhaust caps.
- Easy to set up CBRN/HazMat exercises and training scenarios.
- Low cost of ownership – No preventative maintenance or regular calibration required.
- Compatible with PlumeSIM.

The RAID-M100-SIM comes with all the ease of use and realistic features you have come to expect from Argon's CBRN/HazMat simulation systems, including instructor remote control and after action review capability. Consumables are also simulated enabling you to ensure students understand how to change the RAID M100 sieve pack and drying filter.

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

Argon simulation systems enable realistic training in the use of detection instruments that use different detection technology principles. You can define the simulated threat to represent specific CWAs such as GB, GD, GF, HD and the instrument will indicate that specific threat when the student locates the simulation source. You can also set the simulation sources to represent false positives.

RAID-M100-SIM
responds to Long
Range Vapour
Source simulators



...and Point Contact Sources



RAID-M100-SIM is compatible with other simulators manufactured by Argon Electronics, including AP2C-SIM, AP4C-SIM, CAMSIM, LCD3.2e-SIM and LCD3.3-SIM permitting multi detector, multi substance training to take place within the same training exercise. The electronic simulation sources can represent false positives, as well as, chemical warfare (CW) agents and toxic industrial chemicals (TICs), enabling the RAID-M100's appearance, response and functions to be accurately replicated in a safe, practical manner. For further information on training with multiple simulators a white paper can be downloaded from our website.

Instructor remote control

A simple instructor remote gives you total control of your exercise. 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. What's more, you can instantly reset your scenarios for your next exercise.

The same controller simulates persistency, the effects of wind or temperature, and simulation of consumable depletion or detector failure.

Student performance reporting for after action review:

Students are required to set up and use the simulator following the procedures for the real detector. If not correctly followed the simulator records any student errors and the instructor is able to select After Action Review to display a detailed and indisputable performance report during or after the exercise.



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