

MultiGAS-SIM

Argon's Generic MultiGAS-SIM is a highly configurable simulator that provides you with effective MultiGAS meter training.

MultiGAS-SIM supports from one to a total of six different simulation sensor types, and instructors can configure the MultiGAS-SIM to incorporate specific simulation sensors as required to represent fielded single or multiple sensor MultiGAS detectors.

Wide range of instructor configurable simulation sensors

The instructor can configure the MultiGAS-SIM to incorporate specific simulation sensors as required to represent detectors with single or multiple sensor types. The visual layout of the sensors on the display screen allows for instructor configuration to accurately replicate the sensor layout configuration of real detectors in use.

MultiGAS-SIM sensors include:

O ₂	CO	SO ₂
SO ₂	H ₂ S	CL ₂
CO ₂	NO ₂	HCN
CLO ₂	NO	VOC
NH ₃	CH ₄ /LEL	

Simulate multiple gases

MultiGAS-SIM responds to our standard, easy to use simulation Long Range Vapour Source (LRVS) hazards. They can be deployed in the open or within confined spaces and programmable to represent a wide range of hazardous substances and scenarios, including the depletion of O₂. When programmed at a reduced setting, LRVS emits a signal that remains close to the floor or close to the ceiling depending upon placement.



The LRVS gas emitters emit a signal detectable up to 25 meters (80 feet) away in open space, allowing the simulated readings to rise as the student nears the hazardous zone and decrease automatically as they move away.

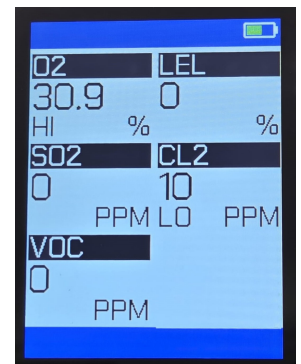
When the LRVS gas emitters are placed in a room and the door is closed, the ultrasound signal can be easily contained. The simulation gas signal will escape through the gaps between the door and the floor unless the door forms a seal, in which case no detection occurs.

Once the door is opened slightly, the reading increases and continues to increase noticeably when the door is opened wider.

Realistically simulated O₂ depletion

Many responders consider the O₂ sensor to be the most valuable component of a multigas detector because numerous substances can reduce oxygen levels. Even if a specific sensor for the chemical release is not available, an O₂ sensor will notify the user of this depletion. MultiGAS-SIM acknowledges the importance of this training element and thus simulates O₂ depletion when an unidentified substance is present.

An optional Gamma Radiation Survey sensor offers a highly realistic simulation of radiological hazard responses. It is fully compatible with Argon's GS series simulation Gamma Sources and works seamlessly with our extensive range of simulation Gamma Survey meters, Personal Dosimeters, and Spectrometers.





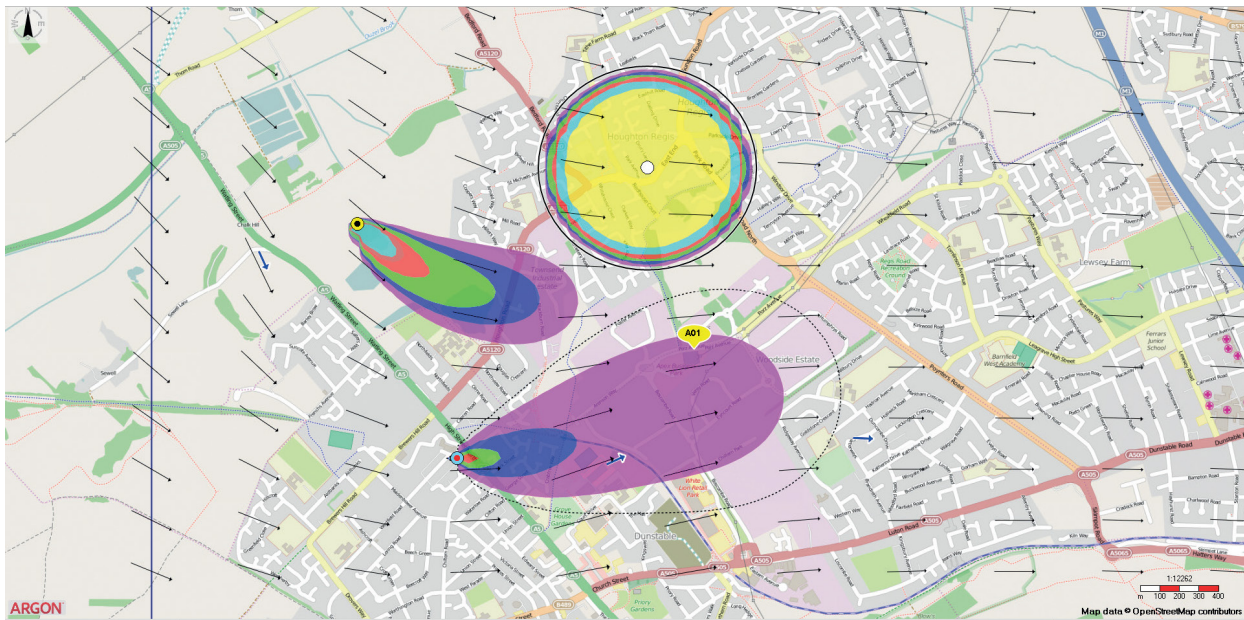
Optional Instructor Remote Controller (IRC) for remote student monitoring

Our optional App-based instructor remote controller incorporates a customer-supplied Android tablet and the Argon communication interface module. This interface, capable of supporting multiple MultiGAS-SIMs, enables you to monitor the readings that the student is experiencing in real-time. You can also directly control the simulated readings on the student instrument.

PlumeSIM compatibility for more extensive exercises

MultiGAS-SIM is also compatible with PlumeSIM, Argon's world-leading wide-area CBRN / HazMat training system.

The MultiGAS-SIM is very easy to use, does not require any regular calibration or preventative maintenance and has no consumables, except for readily available AA batteries, resulting in negligible ongoing "whole life" cost of ownership.



PlumeSIM supports single or multiple simulated threat releases.

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