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ARGON™ | World leaders in CBRN/ HazMat training systems

GID-3-SIM

Argon's GID-3-SIM simulation training system for the M22 ACADA

In order to safely and comprehensively permit you to train in the correct use of chemical agent point detection and alarm systems Argon Electronics manufactures dedicated simulation training instruments that provide CBRN instructors with a tool to ensure that students are thoroughly tested in every aspect of the use of their real equipment.

Originally designed to permit training in the use of Smiths Detection's GID-3 and ACADA systems, the range now includes a simulator for the GID-M detector.

Multiple simulators can be remotely controlled in real time using a single PDA that allows an instructor to monitor that students correctly follow a detector's set up procedure, and are able to perform simple fault diagnosis and remedial action in response to simulated faults. Safe and environmentally friendly electronic simulation of chemical agent release can be programmed to cause realistic instrument alarm readings, whilst all trainee responses are reported and logged for after action review.

Argon chemical point detector simulation instruments are compatible with our new PlumeSIM training system that allows instructors to set up virtual scenarios and control instrumented collective wide area exercises, with remote activation of multiple instruments by release of a virtual plume.

Simulated confidence tester.

Simulation of instrument set up:

The entire set up procedure is simulated as appropriate to the real detector. Correct removal/positioning of protective rain caps or covers and alarm testing is registered. The duration of warm up time can be shortened from the normally specified period to save time, or extended to simulate detector fault conditions. Where appropriate, a simulation confidence tester enables trainees to practice this important procedure. The simulator automatically calculates the duration of exposure of the confidence tester and reports any excess sample times or missed confidence tests to the instructor in real time.

Simulation rain caps

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Operator fault diagnosis and problem solving training

The instructor remote permits component fault simulation and unit contamination simulation ensuring trainees learn how to carry out simple diagnosis and remedial actions.

Safe electronic simulation of hazardous chemical agent release

Based upon an industrial specification PDA , the instructor remote control (IRC) lets you simulate a cloud of chemical vapour passing individual or groups of detectors. With a range of 820 yards (750 meters) line of sight, you can specify type of agent, rate of increase, maximum level, duration, rate of decrease and persistency of simulated chemical attack. You can also simulate spurious false
readings on individual detectors, and for situations where greater range is required, an optional radio repeater system is available. A powerful library feature enables you to use pre-planned scenarios to save valuable time during training.

Real time error reporting and after action review

The controller analyses your trainee's actions, comparing these with the built in operational doctrine, and reports any mistakes in real time. This means you can implement corrective instruction immediately and be certain your trainees understand how to use your real detectors correctly,
ensuring they are protected from misuse and possible damage. All activity is recorded to permit extensive after action review of your training sessions.

GPS option

Where training includes the placement of detectors the GPS option allows you to confirm that students have correctly located their simulation instruments.

Cost effective

Powered by the standard battery from the real detector, mains power or economic commercial D-cell batteries (GID-3 SIM only). Argon simulation systems require no preventative maintenance and spares are minimized to ensure a low cost of ownership. Expensive damage to real detectors is avoided and your equipment is kept ready for operational use when needed.

No radioactive sources

No special storage or transportation regulations to observe.

Simulated cloud profiles with the IRC

PlumeSIM compatible