

LCD SIM

simulation training system for the
LCD lightweight chemical detector

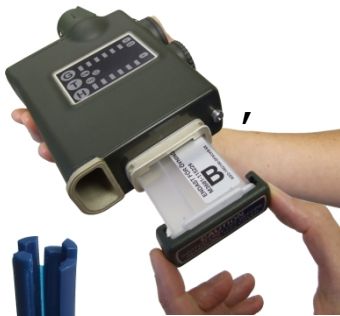


Complete simulation training system
includes simulation accessories and
safe electronic simulation sources.

The LCD-SIM detector simulator responds to electronic sources that simulate chemical vapors, 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. LCD-SIM is designed to be fully compatible with the PlumeSIM system for instrumented collective wide area training.

World Leaders in CBRN, Gas and

HazMat simulation



The LCD-SIM system simulates confidence testing (•), sieve pack replacement (,), and use of a sampling nozzle (f). It also includes an instructor remote control („) and student performance reporting cards (...).

LCD-SIM can simulate

- Nerve, Blister, Blood, Choking Agents and False Positives
- Contamination, decontamination and persistency
- Effects of wind direction and temperature
- Depletion of sieve packs and batteries
- Cumulative dose and dose alarms
- Blocked breather
- Confidence testing

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 your environment. What's more, you can instantly reset your scenarios for your next exercise. You use the same controller to simulate persistency and the effects of wind or temperature.

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. LCD-SIM is compatible with other simulators designed by Argon Electronics, including AP2C-SIM, CAMSIM, RAID-M-SIM and the HAPSIM-P probe, 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 LCD's appearance 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

Student performance reporting for after action review

Students are required to set up and use the detector simulator following the procedures for the real detector. If this is not done the simulator records the operational usage and the instructor is able to switch the device to display a detailed and indisputable performance report after the exercise.

Cost effective training

LCD-SIM works on the same commercial battery supply as the real detector. LCD-SIM requires no preventative maintenance and spares are minimized to cost of ownership. Expensive damage to real detectors is avoided which means operational readiness is maintained.

Product data sheets for other simulation instruments are available to download from our website, or will be supplied in hard copy on request. A free CBRN Training Equipment Guide on CD-ROM is also available on request.

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