



Safe Training Systems Ltd.

Chemical Agent Monitor CAM™

STS CAM™ SIMULATOR

STS specialises in the conversion of standard instruments for training purposes.

The STS CAM™ is our simulated CW instrument designed to replicate the response and characteristic of the real CAM™.

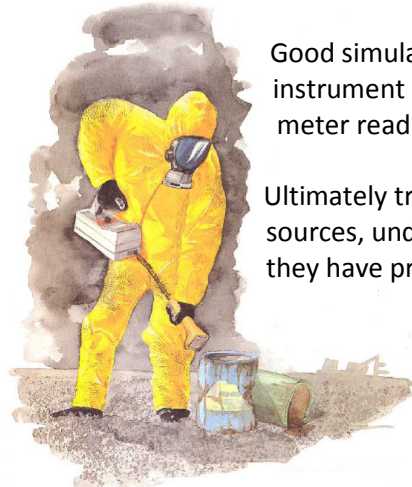


STS Simulated CAM™

Why Use STS Simulators for Training?

- STS Simulators are able to replicate the characteristics of contamination from chemical sources including cross contamination where clothing, skin or environmental contamination may occur; this is not possible to achieve with a real source scenario without undue exposure to the trainee.
- Limiting the exposure of the trainer – if real sources are used, every training session poses an additional cumulative dose to the trainer, while the trainee receives only the dose resulting from the session attended.

STS simulators solve these problems – the trainer has no cumulative exposure from each training session and the trainee can make serious mistakes without any hazard to anyone.



Good simulators allow training to progress from “no knowledge” to a full understanding of instrument controls, the relationship of source position, Instrument position and meter reading.

Ultimately trainees will need to make measurements with real instruments and sources, under supervision, but their performance will be much more confident if they have progressed to that point via good simulation training.

Realistic Training with chemical agent monitors such as the Chemical Agent Monitor CAM™ is difficult to achieve if real instruments are used, because there are few simulants that are suited to routine use. Organizations are sometimes concerned about degradation of their instruments while being used in training.

Safe Training Systems technology has enabled these problems to be overcome by the use of a simulator, coupled with a simulated agent that is a real chemical. The simulation system provides complete training in monitor operation and in understanding the transfer and decontamination difficulties of Chemical Warfare (CW) agents.

The STS CAM™ Simulator uses all the external components of a military issue CAM™, but uses STS technology for the detection of the simulant.

The simulants supplied are entirely environmentally and operator safe chemicals, which have characteristics similar to real CW agents in that they will slowly evaporate at a rate dependant on climate conditions, will be passed from surface to surface by touch, and can be removed by standard decontamination processes.

System Benefits:

- The STS CAM™ Simulator is operated exactly the same way as a real CAM™
- The simulants are liquids or solids
- The spread of contamination and procedures for decontamination are very realistic
- The simulants are environmentally and operator safe
- No radioactive sources are used
- Real monitors do not suffer damage through use in training
- The STS CAM™ Simulator operates on standard 9 volt batteries

Training may be conducted both indoors and out. The simulants will reflect the climatic conditions by evaporating faster at elevated temperatures and in windy conditions. Exercises involving the removal of contaminated clothing, treatment of victims, and decontamination of equipment and vehicles becomes easier to stage with the STS CAM™ Simulator. Normal decontaminants or detergents and water will remove the simulant.

STS produce a wide range of simulated instruments from many manufacturers. The range includes the 900 series Gamma simulators which use a microwave simulation source, the 800 series of contamination monitors, a plumes aerial fallout simulator and CW simulators based on instruments such as CAM™.

We welcome the opportunity to discuss individual requirements and tailored solutions. For more information or to find your nearest distributor please visit our web site at www.safetrainingsystems.com

