

## DT616-SIM

Argon's DT616 simulation training probe for the AN/VDR-2 system



The DT616-SIM simulator probe set provides you with a training system that enables your students to experience the operational features of equivalent Canberra DT616/VDR-2 probe without the need to utilize real radiation sources or radioactive materials.

DT616-SIM responds to safe electronic and magnetic sources that simulate beta and gamma radiation, removing regulatory, environmental, and health and safety concerns for you and your students. You can use the simulation sources anywhere, including within public buildings. DT616-SIM is compatible with the Argon PlumeSIM system for wide area tactical field and nuclear emergency response exercises enabling you to ensure everyone knows what to do when that emergency comes.

The DT616-SIM system probe for training in the use of the:

- M-243/VDR-2 radiac meter with the DT616/VDR-2 probe



Simulation beta source for decontamination training



Instructor Remote Controller



Simulation beta/gamma sources

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### Training with DT616-SIM simulation probe

DT616-SIM permits radiological incident instructors to safely teach critical search, reconnaissance, survey/ location and decontamination skills as well as a practical understanding of inverse square law, isodose rate mapping, shielding and safe demarcation.

Whilst the DT616-SIM receives an encoded signal representing specific gamma emitting radionuclides from deployed electronic simulation sources, it also responds to magnetic simulation sources that simulate beta sources for training in contamination, cross-contamination and decontamination.

An instructor remote controller (IRC) is provided in order to simulate the effects of partial or complete decontamination when using magnetic simulation sources, or to simulate probe failure.

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

Argon simulation systems enable realistic simultaneous training in the use of different types of radiation detection instruments. The DT616-SIM system is compatible with other dosimeter, survey/radiac meter, and spectrometer simulators manufactured by Argon Electronics, permitting multi-detector, multi-isotope training to take place within the same scenario. You can even optionally include hazardous substance releases including chemical warfare agents to drive HazMat / CW simulation detectors.

### PlumeSIM – Simulation of wide area tactical and emergency response field exercises

The DT616-SIM system is compatible with Argon's PlumeSIM system. PlumeSIM enables real time instrumented wide area operational training exercises to be conducted using single or multiple simulation device types that respond in the real world to multiple virtual radiation or chemical hazard release events. For further information on PlumeSIM please see our separate literature for details of this innovative system or contact us for your free evaluation copy of PlumeSIM.

### Cost effective realistic training for your teams

DT616-SIM probes are powered by the same battery supply as the M-243/VDR-2 radiac meters to which they are connected. The simulators require no preventative maintenance or recalibration, reducing the cost of ownership. Expensive damage to real detectors is avoided which means operational readiness is maintained.



DT616-SIM can be used with AN/VDR-2, AN/PDR-77 and RDS-100 radiac meters.

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