

ARGON™

World leaders in CBRN/
HazMat training systems

EPD-Mk2-SIM

Argon's EPD-Mk2-SIM simulation training system for the EPD-Mk2



The EPD-Mk2-SIM dosimeter simulator for the Thermo EPD-Mk2 provides you with a training device that enables your students to experience every operational feature of the real EPD-Mk2 without the need to utilize an ionizing radiation source.

EPD-Mk2-SIM responds to safe electronic sources that simulate ionizing 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. EPD-Mk2-SIM is fully 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.

EPD-Mk2-SIM enables you to provide high quality dosimeter training and simulates:

- HP07 and HP10 dose
- 1st and 2nd HP10 alarms and HP07 alarms when dose rate reaches preset level
- Chirp dose

EPD-Mk2-SIM operates with:

- All Thermo EPD accessories including TeleDosimetry system
- Thermo administration and management software including Easy EPD, Easy Issue, DCS and WebREMS
- Argon PlumeSIM wide area exercise system



A Local Player unit receives the simulated electronic source signal for independent training



The adjustable electronic simulation source has a range of up to 30m.

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Local independent training

For individual or group training in a restricted environment the EPD-Mk2-SIM is supplied with a Local Player unit. Body mounted, this device receives an encoded signal representing specific radionuclides from deployed electronic simulation sources, and transmits simulated radiological activity to the simulator. Based on the actual Thermo EPD-Mk2, the EPD-Mk2-SIM accurately replicates the appearance, functions and display of the real dosimeter in a safe and practical manner providing your students with perfect EPD training.

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. EPD-Mk2-SIM is compatible with other dosimeter, survey/radiac meter, and spectrometer simulators manufactured by Argon Electronics, permitting multi-detector, multi-radionuclide 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 EPD-Mk2-SIM, as supplied for local training, is also 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. Where local training is not required, EPD-Mk2-SIM can be supplied as a PlumeSIM-only simulator. For further information on PlumeSIM please request 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

EPD-Mk2-SIM works on the same battery supply as the real dosimeter. The simulators require no preventative maintenance or recalibration, and spares are minimised to reduce cost of ownership. Expensive damage to real detectors is avoided which means operational readiness is maintained.



A 360° radial radiation effect can be simulated by use of a simple spreader

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