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HazMat training systems

Argon releases RadEye GF-10 SIM radiation training simulator

The newest addition to the Argon Electronics (UK) Ltd. stable of radiation training simulators, the RadEye GF-10 SIM, promises to take the authenticity, repeatability and effectiveness of gamma radiation safety training to a new level.

High impact gamma radiation training

The development of the RadEye SIM has been a collaborative effort - combining Argon's wealth of experience in the design and manufacture of simulation technology with ThermoFisher's reputation as a world leader in the development of advanced handheld instruments for radiation detection.

A key differentiator of the RadEye SIM is that it responds to a Radsim electromagnetic source that more realistically recreates the behavior and characteristics of ionizing radiation.

To ensure high impact radiation training, all the key user interface components (display, indicators, switch panel, sounder, vibrator etc.) have been recreated exactly as they appear on the real RadEye high range gamma survey meter.

The simulator's response speed and characteristics, when approaching or withdrawing from a simulation source, is also identical to that of the actual RadEye survey meter, enabling instructors to add even greater authenticity to their source search/find training exercises.

Simulated sensitivity means that the simulator can detect the Radsim GS4 simulation gamma source at a free space distance of typically 60 metres / 200 feet distance line of sight.

The implementation of powerful proprietary signal processing means that all simulated readings are consistently repeatable every time a student revisits the same scenario location.

The effects of user body shielding are also realistically simulated to ensure survey teams understand how to use, and interpret, their detector readings and alarms.

Also listed among the RadEye SIM's key simulation features are:

- extremely realistic inverse square law response that is within real detector tolerance
- highly realistic representation of the different effects of shielding
- easily selectable units of measurement
- dose and dose rate alarm settings
- language selection
- configurable menu settings
- a user interface that replicates the look and feel of the real RadEye

The RadEye SIM is fully compatible with Argon's Live Field and Tabletop CBRNe exercise system, PlumeSIM, which is currently in use by many of the world's leading radiation training facilities.

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With the release of Argon's RadEye GF-10 SIM, there is the opportunity for radiation safety trainers and trainees to create, and experience, a learning environment that is highly realistic, consistent and repeatable. Further simulation versions of the Thermo RadEye are planned. RadEye is a trade mark of Thermo Fisher Scientific.

EDITORS:

- 1. Please ensure ThermoFisher Scientific trade mark is acknowledged.**
- 2. High resolution image of RadEye GF-10-Sim provided with this press release.**

Argon Electronics

Argon Electronics was established in 1987 and has since become a world leader in the development and manufacture of hazardous material detector simulators, most notably in the fields of military Chemical, Biological, Radiological and Nuclear (CBRN) defence. Our simulators have applications from civil response to unconventional terrorism and accidental release, and international treaty verification, with a growing presence in the nuclear energy generation and education markets.

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