

FH 40 G-SIM

Argon's FH 40 G-SIM simulation training system for the FH 40 G

The FH 40 G-SIM survey meter simulator provides you with a training device that enables your students to experience every operational feature of the real Thermo FH 40 G without the need to utilize an ionizing radiation source.

FH 40 G-SIM responds to safe electronic sources that simulate ionizing radiation and represent the effects of shielding and inverse source law extremely realistically, removing regulatory, environmental, and health and safety concerns for you and your students. You can use the simulation sources anywhere, including within public buildings. FH 40 G-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.



FHZ612-SIM & Teleprobe compatible

Based upon the Thermofisher Scientific FH40 TG Teleprobe mounted with a FHZ612 detector, the FHZ612-SIM can be used with Argon's FH 40 G-SIM and Thermofishers FH40 TG Teleprobe to create an effective training system.



Training with FH 40 G-SIM

FH 40 G-SIM permits radiological incident instructors to safely teach critical search, reconnaissance, survey and source location skills as well as a practical understanding of :

- Inverse square law
- Isodose rate mapping
- Shielding
- Safe demarcation.

The FH 40 G-SIM responds to an encoded signal representing specific gamma emitting radionuclides from deployed electronic simulation sources at a range of up to 60 metres (195 feet) line of sight.

Separating the simulation source and simulation survey meter by structures such as brick walls, floors and ceilings provides extremely realistic simulation of shielding to help students understand the importance of personal dose management.

FH 40 G-SIM enables you to provide high quality survey meter training and features:

- Logarithmic analogue bar graph display
- Numeric display to show dose rate
- The status of the meter including selection of the audible sounder
- All user configurable dose and dose rate alarms

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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 FH 40 GSIM 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 FH 40 G-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

By eliminating the need for real radioactive sources, exercise safety supervisors, and complex regulatory procedures, the FH 40 G-SIM delivers rapid return on investment.

It operates with the same commercially available batteries as the actual survey meter and requires no preventive maintenance or recalibration, making it highly cost-effective. The use of the simulator also prevents damage to real detectors, ensuring continuous operational readiness.

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