



# DETECTION

## 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.

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

- 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 doserate alarms

**FH 40 G-SIM is compatible with:**

- FH 40 G-SIM Teletector probe extension.
- Argon PlumeSIM wide area exercise 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 mapping, shielding and 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.

### **Teletector probe compatible**

You can use the FH40G-SIM with the Thermo Teletector pole and a separate simulation probe is available to complete the full training system.

### **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. FH 40 G-SIM 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.



# DETECTION

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

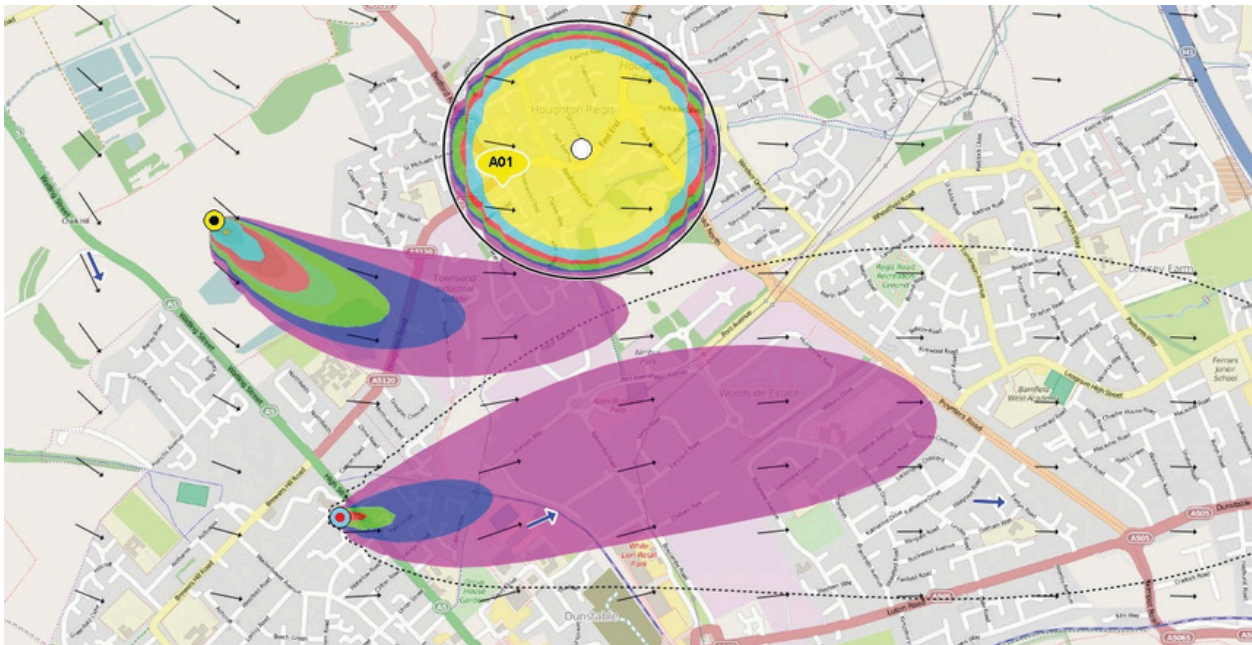
## PlumeSIM – Simulation of wide area tactical and emergency response field exercises

The FH 40 G-SIM 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. 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

The savings achieved by avoiding real sources, exercise safety supervisors and the bureaucratic administration associated with regulatory compliance means the FH40G-SIM will pay for itself extremely quickly.

FH 40 G-SIM works with the same commercially available battery supply as the real survey meter. The simulator requires no preventative maintenance or recalibration, reducing the cost of ownership. Expensive damage to real detectors is avoided which means operational readiness is maintained.



PlumeSIM compatibility enables you to provide Table Top and Live field exercises for plume release and radiological dispersal device response training.