

Safe Training Systems Ltd

Safe-Series – Radiation Field Simulation

The new STS Safe-Series range brings new technology into handheld simulation to provide the most realistic simulators available today.

A unique radio system produces both a near isotropic field pattern from the source and from the detector.



STS Survey-Safe

A good representation of the inverse square law and attenuation of different materials adds to the realistic response.

STS has produced a range of generic instruments- including the Survey-Safe a simulated field survey meter. The unit features user definable alarms and backgrounds, isotropic response and a range of approximately 15m.



STS Safe-EPD

The Safe-Series includes two Electronic Personal Dosimeters, one based on the Thermo unit the Safe-EPD and the other a Generic STS dosimeter the Dosi-Safe.

Both Dosimeters offer the same functionality - with Dose and Rate displays, user menus to configure background rate, Dose and Rate alarm levels and chirp.



STS Safe-Variable
MiniSource



STS FH40

The first Safe-Series modified real instrument is the Thermo FH40 simulator. This Survey meter utilises a real FH40 case but has the STS electronics and screen built in to replicate the FH40's display.

These units can be used either in hand or mounted on a telepole with a STS Safe-Series Probe head which overrides the internal detector when connected.



STS FH40 Telepole

All of the instruments in the Safe-Series range are compatible – so any combination of Survey Meter, Dosimeter and Source may be used – with up to 16 instruments being simultaneously fielded.



STS Dosi-Safe

The sources are available in 2 variants – a fixed activity level which may be specified on ordering – and a variable activity which has 10 levels set by a rotary dial.

Both the fixed and variable sources are the same size at just 80 x 60 x 40mm and are perfect for hiding in a training area and for source retrieval training.



STS Safe-MiniSource

Radiation Contamination Simulation

STS Contamination simulators use a clear odourless liquid spray to produce contamination on a surface to be monitored. The spray is virtually invisible on most surfaces and will last for up to 2 hours.



STS Electra



STS CM11

The liquid source material (LS1) is transferable and so is ideal for demonstrating the hazards of cross contamination from surfaces to clothing and equipment. The contaminated surface may be cleaned using standard methods and then re-monitored to demonstrate effective decontamination techniques.

The STS range of simulated instruments includes a wide range of simulated probes which incorporate a specialised gas detection head. The detector senses the small gas cloud produced by the liquid spray evaporating and the resultant signal is translated by the STS electronics into a count rate displayed on the instrument.

Available probes include DP2 & DP6, HP260, HP210, 44A, EP15 etc



STS LS1 & SS4 Sources



STS Mini 900

Simulators are available for all sectors including Health Physics, Research, Hospitals, Power Plant, Emergency Services and Defence.

All STS contamination monitors are based on real instrument cases with additional STS electronics built into them – usually without modification of the real instrument case. User controls, screens and instrument functions are therefore retained allowing the trainee to not only see a simulated reading but to also learn the controls of the instrument.

Training scenarios can be developed to include both field survey and contamination monitoring without ever needing to use a real source and therefore minimising exposure to both trainee and trainer alike.



STS Ram Gene 1 Mk11

STS has over 20 years of experience in this market and are constantly working on new applications and enhancements to the product range. If you would like us to consider a new product please just ask.



**STS Ludlum
Model 3000**
(coming soon)