


STS Contamination Simulators

Instrument Name		STS 807		Thermo Fischer Electra					
		Description							
		<p>The STS Model 807 consists of a real Thermo Electra ratemeter, but with additional STS electronics installed within the case and powered from the Electra's battery supply.</p> <p>The instrument operates using an STS simulated probe containing a gas detection head which detects the presence of the stimulant placed on surfaces and clothing, the resultant reading is displayed as counts per minute on the Electra Display.</p>							
Dimensions (mm)	135H			110W			250D		
Weight (KG)	1.2KG								
Construction	Rugged Metal Housing								
Display Type	Digital Display			Autoranging Digital & Bar Graph Displays					
Backlight	Yes								
Battery	3 x 1.5V "C" cells LR14			THIS UNIT CANNOT BE MAINS RECHARGED			Battery life 8-10 hrs		
Detector	None			Detection unit based in probe					
Audio Output	Distinct tones for Alpha and Beta Modes			3.5 mm Headphone/Earpiece jack operational					
Alarm Thresholds	May be set on instrument								
Retained Functionality	All original instrument controls and switches retained			Software unchanged from real instrument.					
Connector	STS 5 Pin connector for use only with STS simulated probes								
Operating & Storage Temperature	Operating temp 0 to +30C			Above 30C the stimulant will rapidly evaporate			Storage temp -10C to +40C		
Warm up time	30 seconds from switch on to ready.								
Available Probes	44A	DP2	DP6	BP4	HP260	HP210	DP5A	43-5	AP3
Available Simulants	LS1 –liquid stimulant spray		SS4 – solid stimulant source			Please refer to MSDS sheets for further information			
Additional Information	<p>The STS 807 and it's probes are not designed to be intrinsically safe and therefore should not be used in hazardous environments. The units are not waterproof and contain delicate and sensitive electronics which may be caused to fail if exposed to moisture. Units should be stored in a clean and dry environment, batteries should be removed if storing for more than 4 weeks.</p> <p>Instrument response will be affected by environmental conditions such as excessive heat and humidity and by air flow, strong air conditioning units and outside exercises may need to be considered to ensure the stimulant is identifiable by a trainee.</p>								